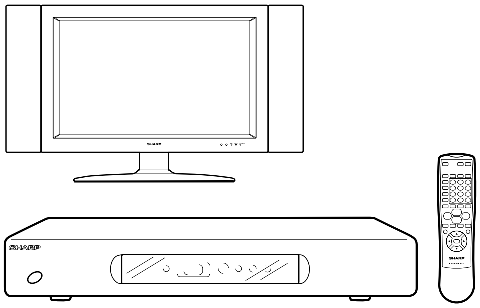
SHARP SERVICE MANUAL



LCD TV

MODEL LC-30HV2E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

IMPORTANT SERVICE SAFETY PRECAUTION

■ Service work should be perfomed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

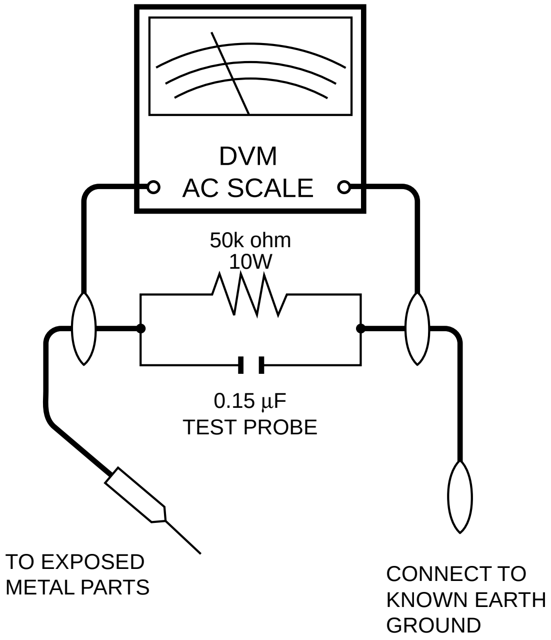
CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE.
AVC SIDE: F701 (T2A, 250V), F702 (T2A, 250V), F1702 (T4AL, 250V) FUSE.
LCD SIDE: F1(T3.5AL, 250V), F6551, F6552, F6553, F6554, F6555, F6556 (T2.5AL, 250V)

BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.

- Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resisor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.
  All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)
  Any reading of 35V peak (this corresponds to 0.7 milliamp. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in Plasma Display television have special safety-related characteristics.
These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.
Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the ***Replacement Parts List*** and ***Schematic Diagrams***.
For continued protection, replacement parts must be identical to those used in the original circuit.
The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

Specifications

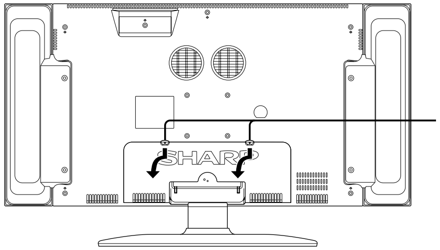
Item				30" LCD COLOUR TV, Model:LC-30HV2E
LCD panel				30" Advanced Super View & BLACK TFT LCD
Number of dots				2,949,120 dots (1280 × 3 × 768dots)
Video Colour System				PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60
TV Function	TV-standard (CCIR)			B/G, D/K, I, L/L’
	Receiving Channel	VHF/UHF		E2–E69ch, F2–F10ch, I21–I69ch, IR A–IR Jch
		CATV		Hyper-band, S1–S41ch
	TV-Tuning System			Auto Preset 99 ch, Auto Label, Auto Sort
	STEREO/BILINGAL			NICAM/IGR
Brightness				430 cd/m^2
Lamp life				60,000 hours (at normal mode)
Viewing angles				H : 170° V : 170°
Audio amplifier				10W x 2
Speakers				8cm Ø 2pcs
Terminals	AVC System	Rear	INPUT 1	SCART (AV in, RGB in, TV out)
			INPUT 2	SCART (AV in/out, S-VIDEO in, AV Link)
			INPUT 3	SCART (AV in/out, S-VIDEO in, RGB in), Component
			ANTENNA	75 Ω Din Type
			Monitor Out	Audio (Variable, Fixed), S-VIDEO out, AV out
		Front	INPUT 4	S-VIDEO, AV in
			PC	15 Pin mini D-Sub, Audio in (3.5mm Ø jack)
	DISPLAY	Headphones		3.5mm Ø jack
OSD language				English/German/French/Italian/Spanish/Dutch/Swedish/Portuguese/Greek/ Finnish/Russian/Turkish
Power Requirement				AC 220–240 V, 50/60 Hz
Power Consumption	AVC System			40 W (0.8W Standby)
	Display			109 W (0.9W Standby) (Method IEC60107)
Weight	AVC System			4.4 kg
	Display			20.1 kg
Accessories				Operation manual (× 2), Remote control unit, System cable, AC cord (× 2), R-6 (“AA” size, UM/SUM-3) Alkaline battery (× 2)

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

Preparation

Setting the system

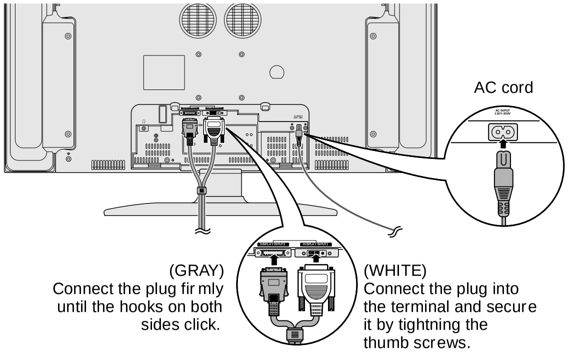
Removing the terminal cover



Press down the two upper hooks to remove the cover toward you.

1. Connecting the system cable and the AC cord to the Display

Display (rear view)



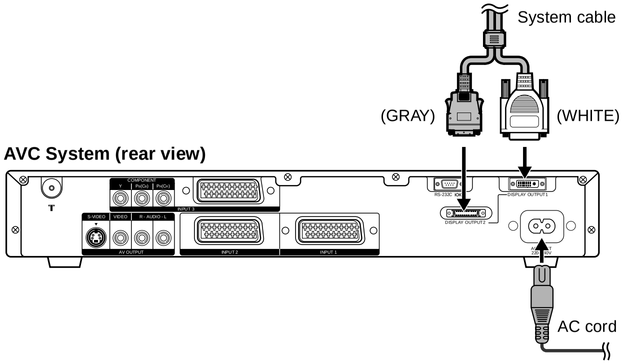
AC cord

(GRAY)
Connect the plug firmly until the hooks on both sides click.

(WHITE)
Connect the plug into the terminal and secure it by tightning the thumb screws.

System cable

2. Connecting the system cable and the AC cord to the AVC System



AVC System (rear view)

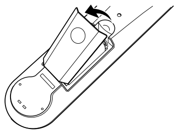
⚠ CAUTION

- **TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.**

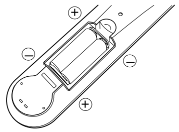
Inserting the batteries

If the remote control unit fails to operate LCD colour TV functions, replace the batteries in the remote control unit.

1 Open the battery cover.

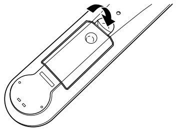


2 Insert batteries (two R-6 ("AA" size, UM/SUM-3) Alkaline batteries, supplied with product).



- Place batteries with their terminals corresponding to the (+) and (–) indications in the battery compartment.

3 Close the battery cover.



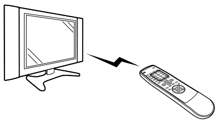
⚠ CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not use manganese batteries. When you replace the batteries, use alkaline ones.
- Place the batteries with their terminals corresponding to the (+) and (–) indications.
- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.

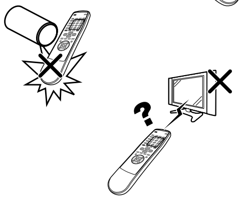
Using the remote control unit

Use the remote control unit by pointing it towards the remote sensor window. Objects between the remote control unit and sensor window may prevent proper operation.



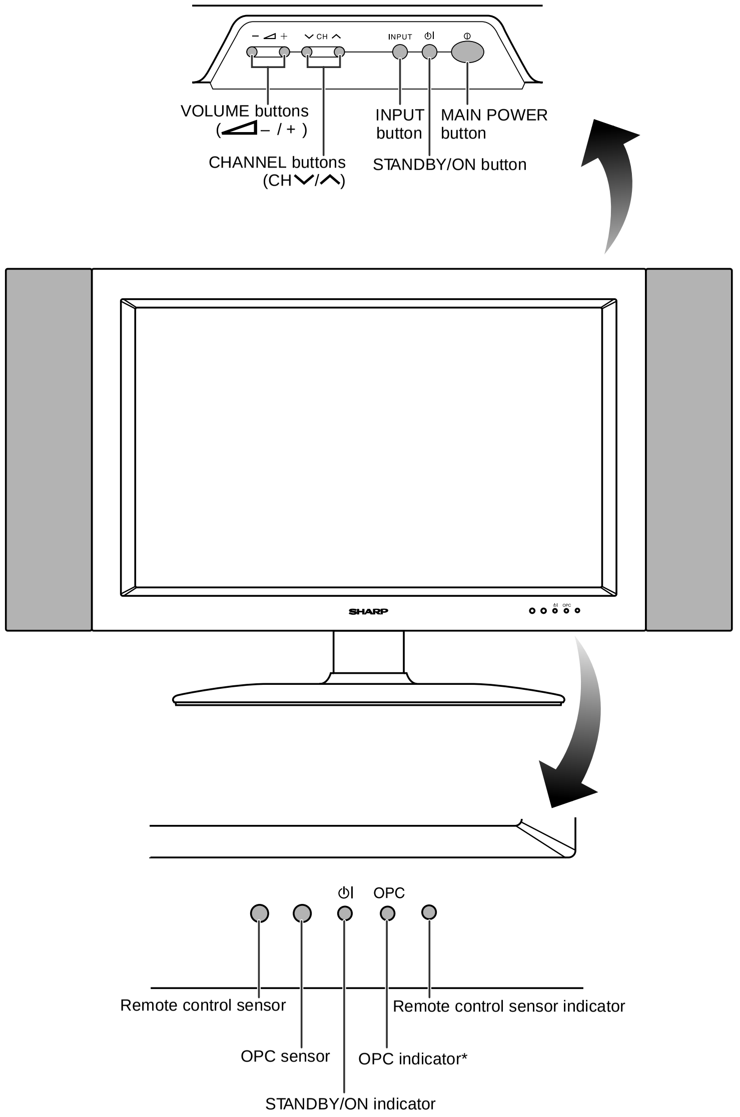
Cautions regarding remote control unit

- Do not expose the remote control unit to shock.
  In addition, do not expose the remote control unit to liquids, and do not place in an area with high humidity.
- Do not install or place the remote control unit under direct sunlight.
  The heat may cause deformation of the unit.
- The remote control unit may not work properly if the remote sensor window of the Display is under direct sunlight or strong lighting. In such case, change the angle of the lighting or Display, or operate the remote control unit closer to the remote sensor window.



Part names

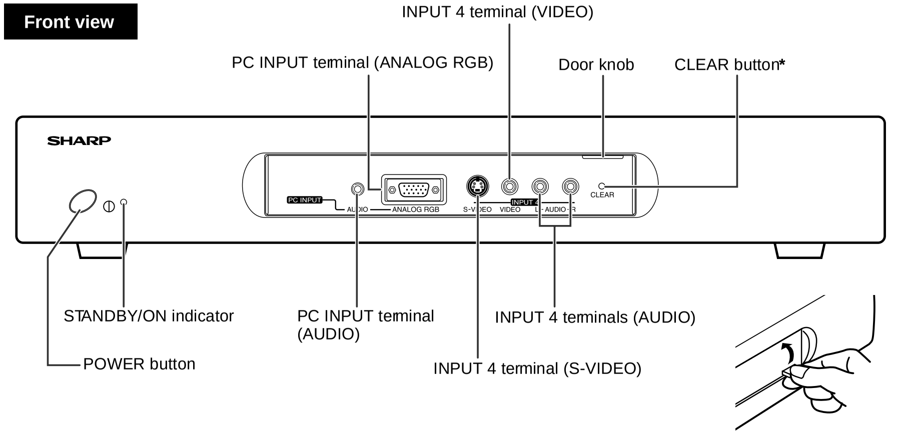
Display


VOLUME buttons
(◢ – / +)
CHANNEL buttons
(CH∨/∧)
INPUT button
MAIN POWER button
STANDBY/ON button
SHARP
⏻I
OPC
Remote control sensor
OPC sensor
STANDBY/ON indicator
OPC indicator*
Remote control sensor indicator

*OPC: Optical Picture Control

AVC System

Front view


INPUT 4 terminal (VIDEO)
PC INPUT terminal (ANALOG RGB)
Door knob
CLEAR button*
SHARP
PC INPUT
AUDIO
ANALOG RGB
S-VIDEO
VIDEO
L - AUDIO - R
CLEAR
STANDBY/ON indicator
POWER button
PC INPUT terminal (AUDIO)
INPUT 4 terminals (AUDIO)
INPUT 4 terminal (S-VIDEO)

(How to open the door)

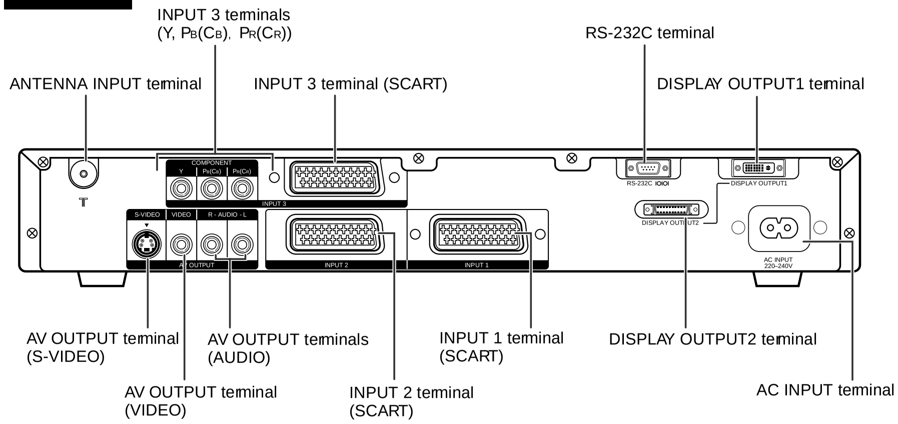
* If the AVC System is switched on but it does not appear to be operating correctly, it may need resetting. In this case, press **CLEAR** on the front of the unit as shown in the diagram. Press **CLEAR** lightly with the end of a ballpoint pen or other pointed object.
This will reset the System as shown below.

- AV MODE resets to STANDARD.
- TV channel resets to channel 1.
- Dual screen resets to normal.
- Audio setting initialises.
- SRS resets to OFF.
- Image position is initialised.

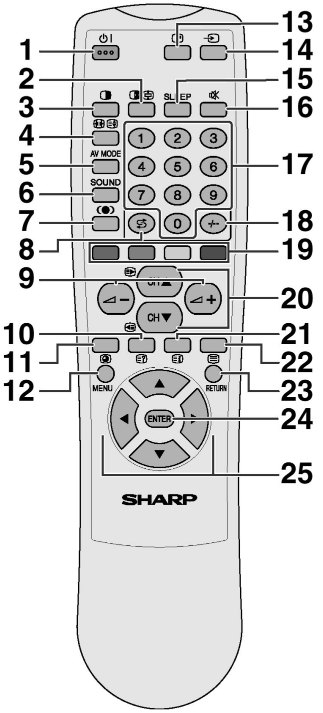
NOTE

- Pressing **CLEAR** will not work if the System is in standby mode (indicator lights red).
- Pressing **CLEAR** will not delete channel preset or password. See Page 56 for initialising factory preset settings when you know your password. See Page 70 for initialising factory preset values when you have forgotten your password.

Rear view


INPUT 3 terminals (Y, P_B(C_B), P_R(C_R))
RS-232C terminal
ANTENNA INPUT terminal
INPUT 3 terminal (SCART)
DISPLAY OUTPUT1 terminal
COMPONENT
Y
INPUT 3
S-VIDEO
VIDEO
R - AUDIO - L
OUTPUT
INPUT 2
INPUT 1
RS-232C
DISPLAY OUTPUT1
DISPLAY OUTPUT2
AC INPUT 220-240V
AV OUTPUT terminal (S-VIDEO)
AV OUTPUT terminals (AUDIO)
INPUT 1 terminal (SCART)
DISPLAY OUTPUT2 terminal
AV OUTPUT terminal (VIDEO)
INPUT 2 terminal (SCART)
AC INPUT terminal

Remote control unit



NOTE
- When using the remote control unit, point it at the Display.

* SRS and the (●)® symbol are trademarks of SRS Labs, Inc.
SRS technology is incorporated under license from SRS Labs, Inc.
FOCUS and the (●)® symbol are trademarks of SRS Labs, Inc. FOCUS technology is incorporated under license from SRS Labs, Inc.

1 ⏻ | **(STANDBY/ON)**
To switch the power on and off.

2 **(FREEZE/HOLD for TELETEXT)**
TV/External input mode: Change the still image mode.
TELETEXT mode: Freeze a multi-page on screen while other pages are automatically updated. Press again to return to the normal image.

3 ◨ **(DUAL screen)**
Set the dual picture mode. Press ◨ again to return to normal view.

4 **(WIDE MODE/ T/B/F)**
TV/External input mode: Change the wide image mode.
TELETEXT mode: Set the area of magnification. (full/upper half/lower half)

5 **AV MODE**
Select a video setting: AV MODE (STANDARD, DYNAMIC, MOVIE, GAME, USER), PC MODE (STANDARD, USER)

6 **SOUND**
Select the sound multiplex mode.

7 **(●) (SRS and FOCUS)***
Select SRS and FOCUS Sound System.

8 **(Flash back)**
Press to return to the previous channel in normal viewing mode.
Press to return to the previous page in TELETEXT mode.

9 ◿– / ◿+ **(VOLUME)**
Set the volume.

10 **(Reveal hidden for TELETEXT)**
TELETEXT mode: Display hidden characters.

11 **(SUBPAGE for TELETEXT)**
TELETEXT mode: Change the picture mode for sub-page selecting.

12 **MENU**
Display the Menu screen.

13 **(CHANNEL INFORMATION)**
Display the channel information and time. (See page 61 for details on the time display.)

14 **(INPUT SOURCE)**
Select an input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, PC)

15 **SLEEP**
Set the SLEEP TIMER.

16 🔇 **(MUTE)**
Mute the sound.

17 **0 – 9**
TV/External input mode: Set the channel.
TELETEXT mode: Set the page.

18 **-/-- (Digit for channel select)**
Change the digits of the selected TV channel.

19 **Colour (RED/GREEN/YELLOW/BLUE)**
TELETEXT mode: Select a page.

20 **CH▲/CH▼** (/)
TV/External input mode: Select the channel.
TELETEXT mode: Set the page.

21 **(TOP Overview for TELETEXT)**
TELETEXT mode: Display an index page for CEEFAX/FLOF information. TOP OVER VIEW for TOP programme.

22 **(TELETEXT)**
Select the TELETEXT mode. (all TV image, all TEXT image, TV/TEXT image)

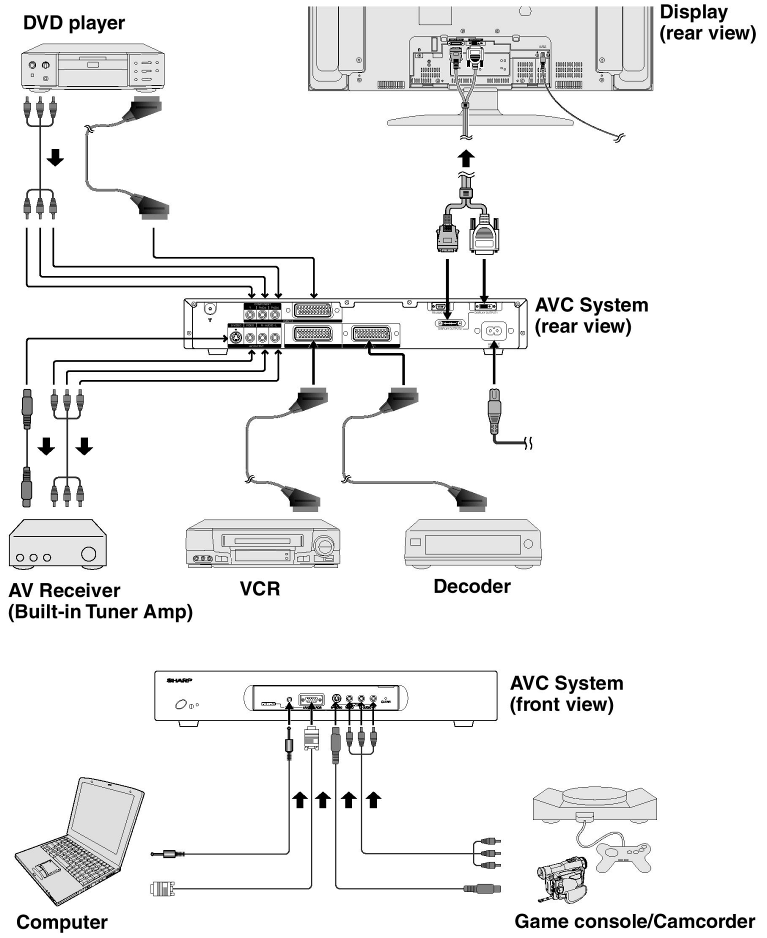
23 **RETURN**
MENU mode: Return to the previous menu screen.

24 **ENTER**
Execute a command.
Return to the initial image position after moving with ▲/▼/◀/▶.

25 **▲/▼/◀/▶ (Cursor)**
Select a desired item on the setting screen.
Move the picture on the screen.

Using external equipment

You can connect many types of external equipment to your System, like a decoder, VCR, DVD player, computer, game console and camcorder. To view external source images, select the input source from on the remote control unit or **INPUT** on the Display.



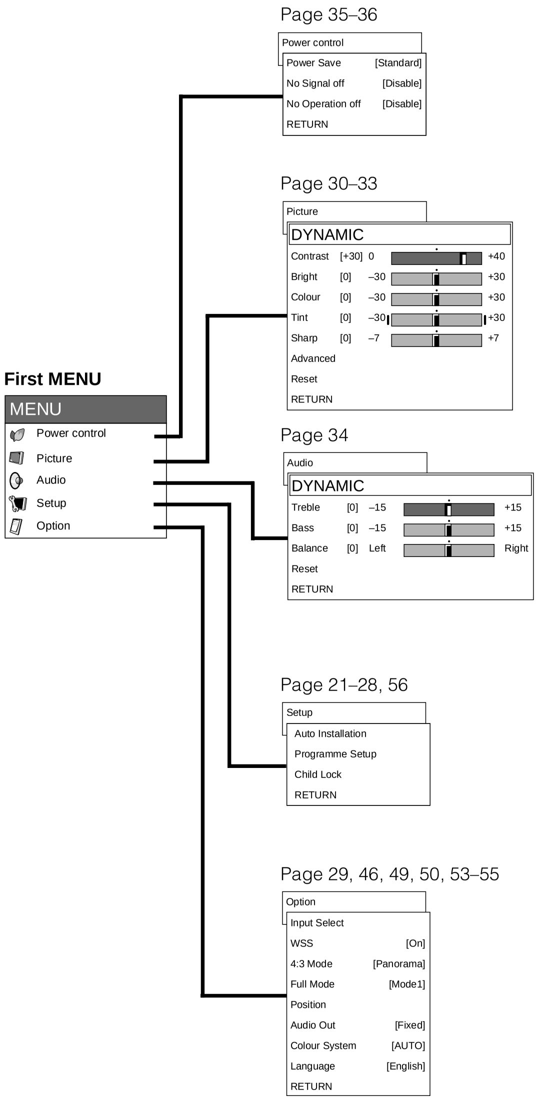
CAUTION
- To protect all equipment, always turn off the AVC System before connecting to a decoder, VCR, DVD player, computer, game console, camcorder or other external equipment.
- The S-video signal only outputs when “Input 2” or “Input 3” is selected for “Y/C”, or when from the INPUT 4 terminal (S-VIDEO). Only the S-video signal can output from the INPUT 4 terminal (S-VIDEO).

NOTE
- Please refer to the relevant operation manual (DVD player, computer, etc.) carefully before making connections.

Basic adjustment settings

AV Input mode menu items

List of AV menu items to help you with operations


First MENU
MENU
Power control
Picture
Audio
Setup
Option
Page 35–36
Power control
Power Save [Standard]
No Signal off [Disable]
No Operation off [Disable]
RETURN
Page 30–33
Picture
DYNAMIC
Contrast [+30] 0 +40
Bright [0] –30 +30
Colour [0] –30 +30
Tint [0] –30 +30
Sharp [0] –7 +7
Advanced
Reset
RETURN
Page 34
Audio
DYNAMIC
Treble [0] –15 +15
Bass [0] –15 +15
Balance [0] Left Right
Reset
RETURN
Page 21–28, 56
Setup
Auto Installation
Programme Setup
Child Lock
RETURN
Page 29, 46, 49, 50, 53–55
Option
Input Select
WSS [On]
4:3 Mode [Panorama]
Full Mode [Mode1]
Position
Audio Out [Fixed]
Colour System [AUTO]
Language [English]
RETURN

MENU	Description
Power Save	Save power by decreasing picture brightness.
No Signal off	System automatically shuts down if no video signal inputs for 15 minutes.
No Operation off	System automatically shuts down if you do not operate the System for 3 hours.

MENU	Description
Contrast	Adjusts the picture between light and shade.
Bright	Adjusts picture brightness.
Colour	Adjusts colour intensity.
Tint	Adjusts skin colour to a more natural tone for all colour system.
Sharp	Adjusts picture sharpness.
Advanced	Adjusts “Colour Temp”, “Film Mode”, “Black”, “Monochrome”, “I/P Setting”, “Cool Climate” and “Vivid Colour”.
Reset	All image adjustment settings return to the factory preset values.

MENU	Description
Treble	Adjusts the treble weaker or stronger.
Bass	Adjusts the bass weaker or stronger.
Balance	Adjusts audio output between left and right speakers.
Reset	All audio adjustment settings return to the factory preset values.

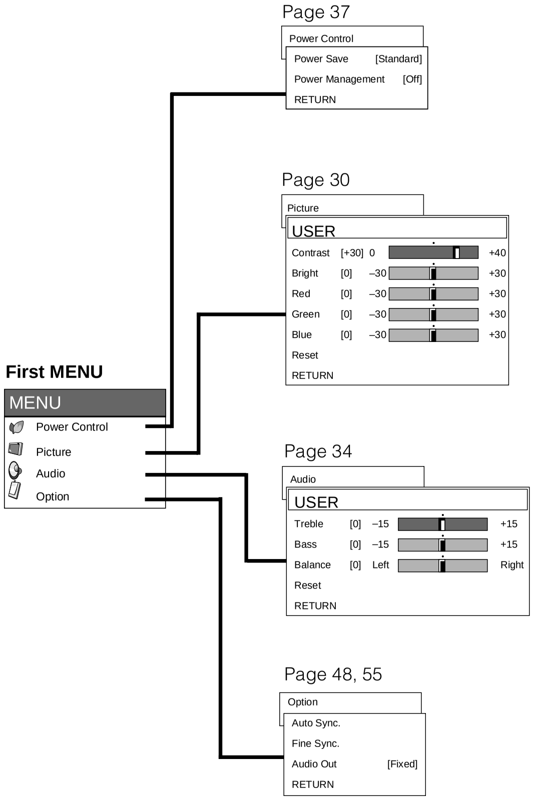
MENU	Description
Auto Installation	Runs auto installation again the same as when the System powers on for the first time after purchase.
Programme Setup	Sets the channel preset.
Child Lock	Sets a password to restrict operations.

MENU	Description
Input Select	Select the kind of input signal of each input source.
WSS	When wide screen signal bits are present in the TELETEXT data, you can view information in wide screen mode.
4:3 Mode	When you receive a 4:3 or 14:9 mode signal, select “Normal” or “Panorama” display.
Full Mode	Select Full mode display setting.
Position	Adjusts the horizontal/vertical position of the image displayed.
Audio Out	Select the type of audio output. You can adjust volume for the main speaker or audio output.
Colour System	Select the colour system of an image current input.
Language	Select the on screen display language.

Basic adjustment settings

PC Input mode menu items

List of PC menu items to help you with operations


First MENU
MENU
Power Control
Picture
Audio
Option
Page 37
Power Control
Power Save [Standard]
Power Management [Off]
RETURN
Page 30
Picture
USER
Contrast [+30] 0 +40
Bright [0] –30 +30
Red [0] –30 +30
Green [0] –30 +30
Blue [0] –30 +30
Reset
RETURN
Page 34
Audio
USER
Treble [0] –15 +15
Bass [0] –15 +15
Balance [0] Left Right
Reset
RETURN
Page 48, 55
Option
Auto Sync.
Fine Sync.
Audio Out [Fixed]
RETURN

MENU	Description
Power Save	Save power by decreasing picture brightness.
Power Management	System automatically shuts down if you set the time. Select mode 1 or mode 2.

MENU	Description
Contrast	Adjusts the picture between light and shade.
Bright	Adjusts picture brightness.
Red	Adjusts red colour intensity.
Green	Adjusts green colour intensity.
Blue	Adjusts blue colour intensity.
Reset	All image adjustment settings return to the factory preset values.

MENU	Description
Treble	Adjusts the treble weaker or stronger.
Bass	Adjusts the bass weaker or stronger.
Balance	Adjusts audio output between left and right speakers.
Reset	All audio adjustment settings return to the factory preset values.

MENU	Description
Auto Sync.	Provides a clear input image.
Fine Sync.	Adjusts image “H-Pos.”, “V-Pos.”, “Clock”, “Phase”.
Audio Out	Select the type of audio output. You can adjust volume for the main speaker or audio output.

RS-232C port specifications

Computer Control of the System

- When a program is set, the display can be controlled from the computer using the RS-232C terminal.
  The input signal (computer/video) can be selected, the volume can be adjusted and various other adjustments and settings can be made, enabling automatic programmed playing.
- Attach an RS-232C cable cross-type (commercially available) to the supplied Din-D/sub RS-232C for the connections.

NOTE

- This operation system should be used by a person who is accustomed to using computers.

Communication conditions

Set the RS-232C communications settings on the computer to match the display's communications conditions.
The display's communications settings are as follows:

Baud rate:	9,600 bps
Data length:	8 bits
Parity bit:	None
Stop bit:	1 bit
Flow control:	None

Communication procedure

Send the control commands from the computer via the RS-232C connector.
The display operates according to the received command and sends a response message to the computer.
Do not send multiple commands at the same time. Wait until the computer receives the OK response before sending the next command.

Command format

Eight ASCII codes + CR

C1	C2	C3	C4	P1	P2	P3	P4	↵

Command 4-digits   Parameter 4-digits   Return code

Command 4-digits: Command. The text of four characters.
Parameter 4-digits: Parameter 0 – 9, x, blank, ?

Parameter

Input the parameter values, aligning left, and fill with blank(s) for the remainder. (Be sure that four values are input for the parameter.)
When the input parameter is not within an adjustable range, "ERR" returns. (Refer to "Response code format".)
No problem to input any numerical value for "x" on the table.

0			

0	0	0	9

–	3	0	

1	0	0	

0	0	5	5

When "?" is input for some commands, the present setting value responds.

?			

?	?	?	?

Response code format

Normal response

O	K	↵

Return code (0DH)

Problem response (communication error or incorrect command)

E	R	R	↵

Return code (0DH)

Commands

CONTROL ITEM	COMMAND				PARAMETER				CONTROL CONTENTS
POWER SETTING	P	O	W	R	0	_	_	_	POWER OFF (STANDBY)
INPUT SELECTION A	I	T	G	D	x				INPUT SWICHING (TOGGLE)
	I	T	V	D	0	_	_	_	TV (CHANNEL FIXED)
	I	T	V	D	*	*	_	_	TV (CHANNEL SELCTION) (1 – 99)
	I	A	V	D	*	_	_	_	INPUT1 – 4 (1 – 4)
	I	P	C	D	x				PC
INPUT SELECTION B	I	N	P	1	0	_	_	_	INPUT1 (AV)
	I	N	P	1	1	_	_	_	INPUT1 (RGB)
	I	N	P	2	0	_	_	_	INPUT2 (AV)
	I	N	P	2	1	_	_	_	INPUT2 (Y/C)
	I	N	P	3	0	_	_	_	INPUT3 (AV)
	I	N	P	3	1	_	_	_	INPUT3 (Y/C)
	I	N	P	3	2	_	_	_	INPUT3 (RGB)
	I	N	P	3	3	_	_	_	INPUT3 (COMPONENT)
AV MODE SELECTION	A	V	M	D	0	_	_	_	TOGGLE
	A	V	M	D	1	_	_	_	STANDARD
	A	V	M	D	2	_	_	_	DYNAMIC
	A	V	M	D	3	_	_	_	MOVIE
	A	V	M	D	4	_	_	_	GAME
	A	V	M	D	5	_	_	_	USER
VOLUME	V	O	L	M	*	*	_	_	VOLUME (0 – 60)
POSITION	H	P	O	S	*	*	*	_	H-POSITION (AV) (15 – 15)
	H	P	O	S	*	*	*	_	H-POSITION (PC) (90 – 90)
	V	P	O	S	*	*	*	_	V-POSITION (AV) (30 – 30)
	V	P	O	S	*	*	*	_	V-POSITION (PC) (60 – 60)
	C	L	C	K	*	*	*	_	CLOCK (90 – 90)
	P	H	S	E	*	*	*	_	PHASE (20 – 20)

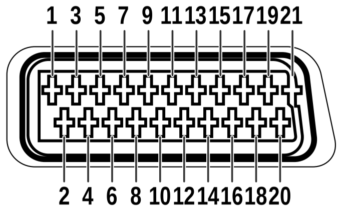
CONTROL ITEM	COMMAND				PARAMETER				CONTROL CONTENTS
WIDE MODE	W	I	D	E	0	_	_	_	TOGGLE
	W	I	D	E	1	_	_	_	NORMAL
	W	I	D	E	2	_	_	_	FULL 14:9
	W	I	D	E	3	_	_	_	ZOOM 14:9
	W	I	D	E	4	_	_	_	PANORAMA
	W	I	D	E	5	_	_	_	FULL
	W	I	D	E	6	_	_	_	CINEMA 16:9
	W	I	D	E	7	_	_	_	CINEMA 14:9
	W	I	D	E	8	_	_	_	NORMAL
	W	I	D	E	9	_	_	_	FULL
	W	I	D	E	1	0	_	_	DOT BY DOT
	W	I	D	E	1	1	_	_	DOT BY DOT (W)
SRS	S	R	S	S	0	_	_	_	TOGGLE
	S	R	S	S	1	_	_	_	OFF
	S	R	S	S	2	_	_	_	SRS
	S	R	S	S	3	_	_	_	FOCUS
	S	R	S	S	4	_	_	_	SRS + FOCUS
DUAL SCREEN	T	W	I	N	0	_	_	_	DUAL SCREEN OFF
	T	W	I	N	1	_	_	_	DUAL SCREEN ON
CHANNEL	D	C	C	H	*	*	_	_	DIRECT CHANNEL (1 – 99)
	C	H	U	P	x				CHANNEL UP
	C	H	D	W	x				CHANNEL DOWN
TEXT	T	E	X	T	0	_	_	_	TEXT OFF
	T	E	X	T	1	_	_	_	TEXT ON
	D	C	P	G	*	*	*	_	DIRECT PAGE JUMP (100 – 899)

NOTE

- If an underbar (_) appears in the parameter column, enter a space.
- If an asterisk (*) appears, enter a value in the range indicated in brackets under CONTROL CONTENTS.

Connecting pin assignments for SCART

Various audio and video devices may be connected via the SCART terminals.



SCART (INPUT 1)

1. Audio right output (TV Monitor out)
2. Audio right input
3. Audio left output (TV Monitor out)
4. Common earth for audio
5. Earth for blue
6. Audio left input
7. Blue input
8. Audio-video control
9. Earth for green
10. Not used
11. Green input
12. Not used
13. Earth for red
14. Not used
15. Red input
16. Red/Green/Blue control
17. Earth for video
18. Earth for Red/Green/Blue control
19. Video output (TV Monitor out)
20. Video input
21. Plug shield

SCART (INPUT 2)

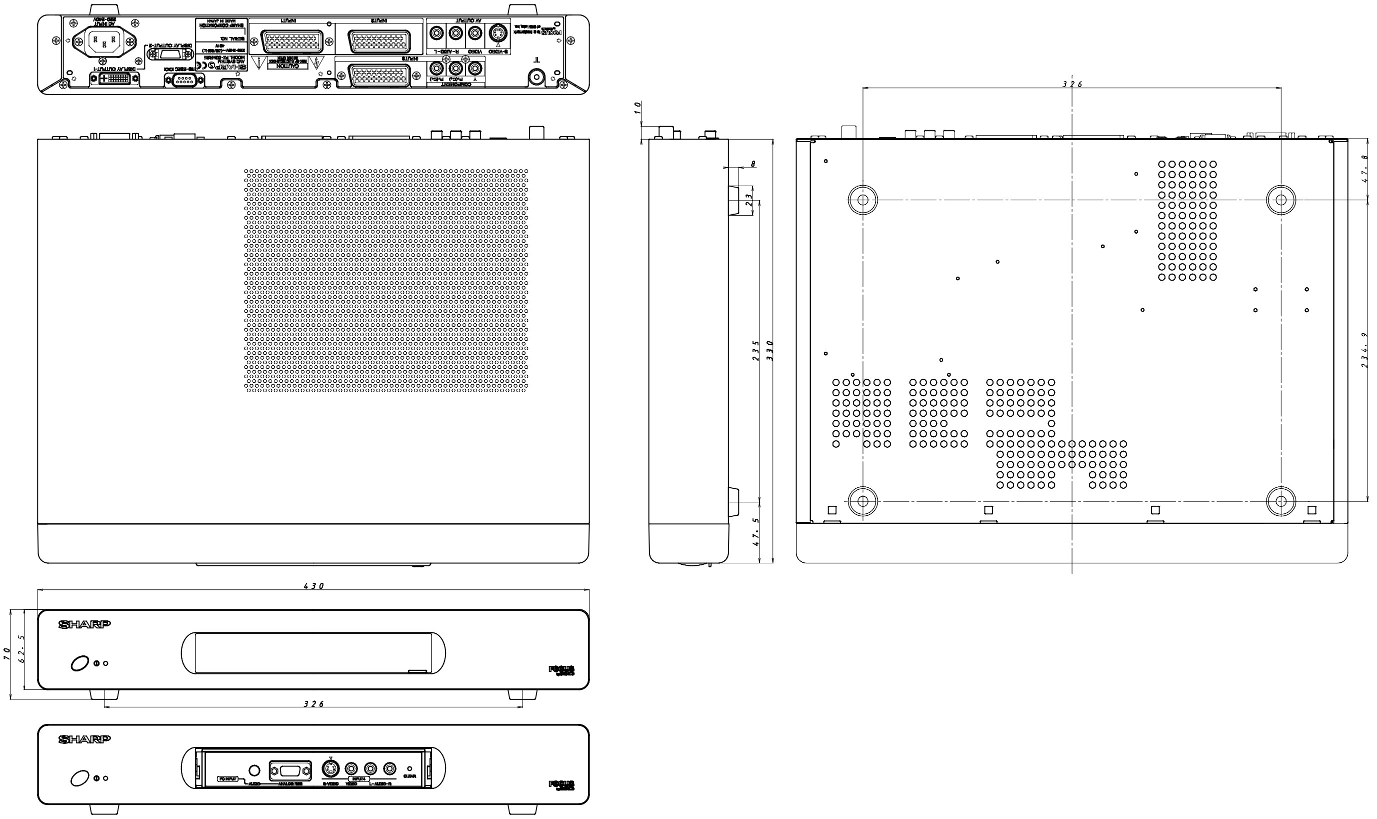
1. Audio right output
2. Audio right input
3. Audio left output
4. Common earth for audio
5. Earth
6. Audio left input
7. Not used
8. Audio-video control
9. Earth
10. AV LINK control
11. Not used
12. Not used
13. Earth
14. Not used
15. Chroma S-Video input
16. Not used
17. Earth for video
18. Earth
19. TV Monitor output
20. Video input/S-video input
21. Plug shield

SCART (INPUT 3)

1. Audio right output
2. Audio right input
3. Audio left output
4. Common earth for audio
5. Earth
6. Audio left input
7. Blue input
8. Audio-video control
9. Earth
10. Not used
11. Green input
12. Not used
13. Earth
14. Not used
15. Red input/Chroma S-Video input
16. Red/Green/Blue control
17. Earth for video
18. Earth
19. TV Monitor output
20. Video input/S-video input
21. Plug shield

Dimensions

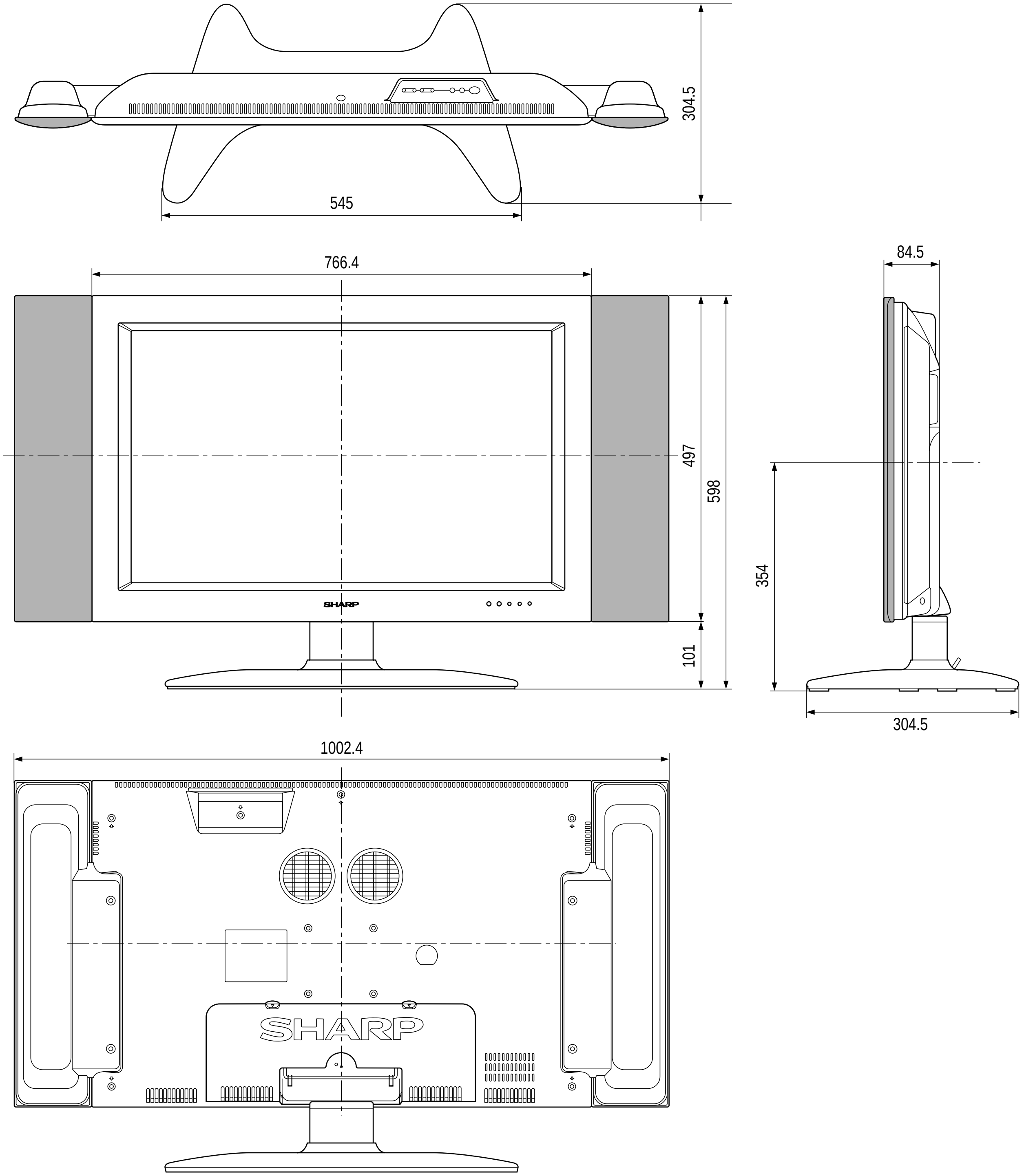
AVC


326
10
8
23
235
330
47.5
47.8
234.9
430
70
62.5
326
SHARP
SHARP

(Unit: mm)

LCD

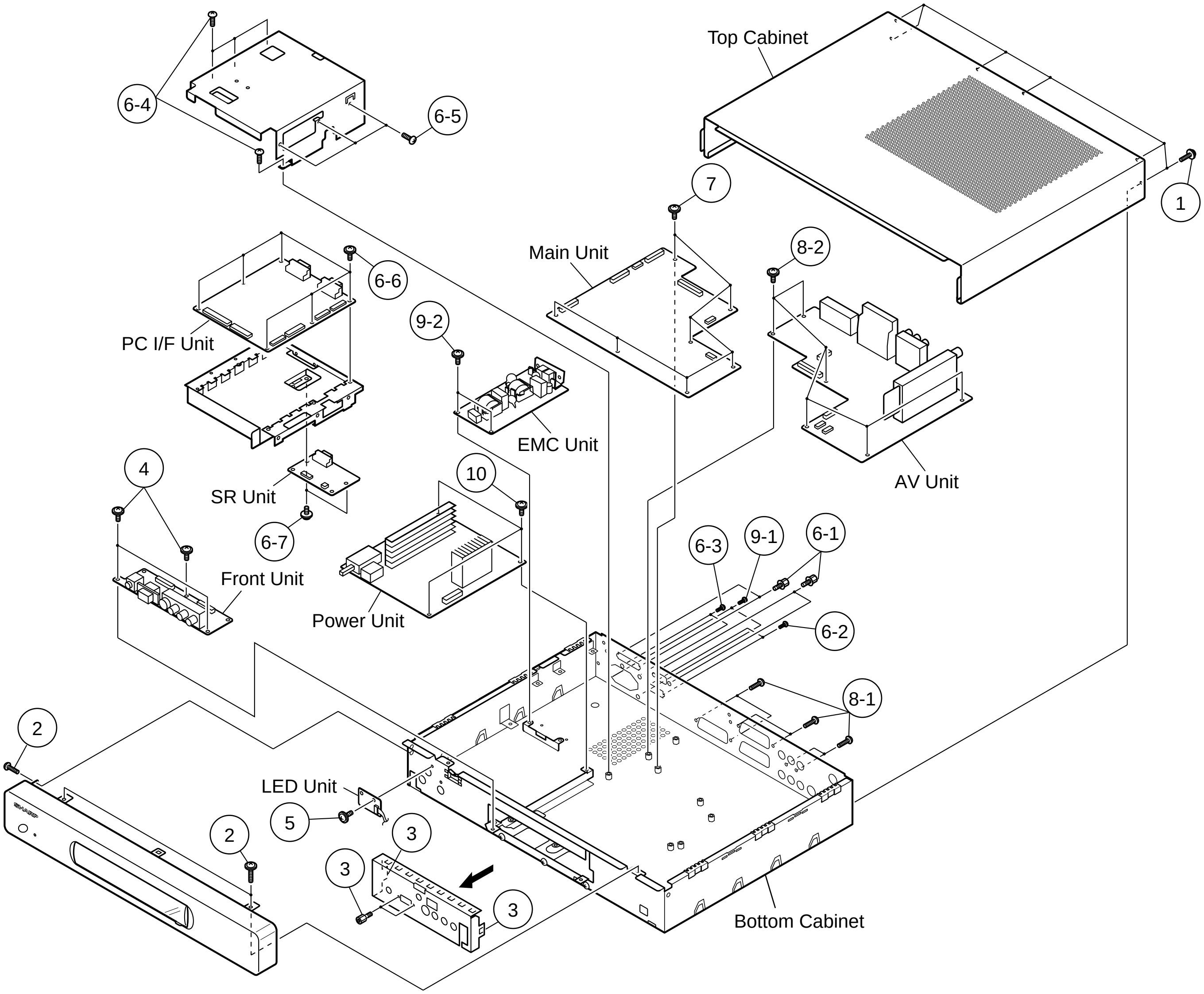
Unit: mm


304.5
545
766.4
84.5
497
598
354
101
304.5
1002.4
SHARP
SHARP

REMOVING OF MAJOR PARTS

AVC System

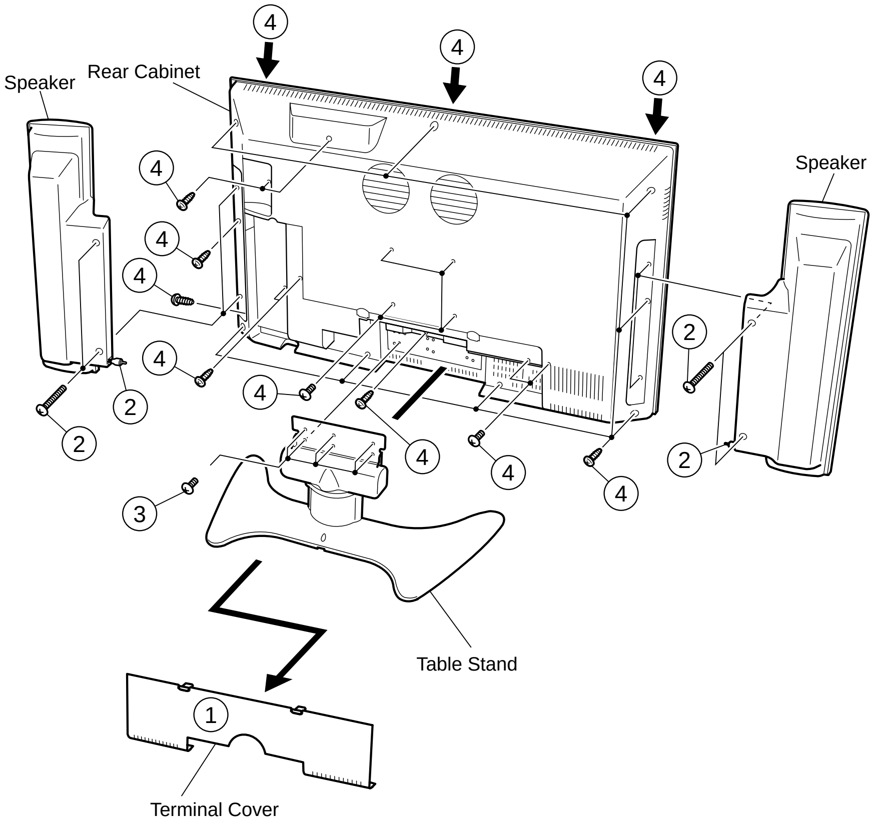
1. Remove the six lock screws from the back of the top cabinet. Slide the top cabinet backward and detach it.
2. Remove the three lock screws from the front panel. Undo the three hooks at the top and the four hooks at the bottom, and detach the front panel.
3. Remove the two hexagonal shafts from the front shield. Undo the two hooks on both sides and detach the front shield.
4. Remove the three lock screws from the front unit and detach this unit.
5. Remove the one lock screw from the LED unit and detach this unit.
6. Remove the PC I/F unit and SR unit assemblies.
   - 6-1. Remove the two hexagonal shafts each from the system cable (white) terminal and the RS-232C terminal, both on the PC I/F unit.
   - 6-2. Remove two lock screws from the system cable (gray) terminal also on the SR unit.
   - 6-3. Remove the two lock screws from the PC I/F unit bracket.
   - 6-4. Remove the four lock screws from the PC I/F unit and SR unit assemblies. Take out these assemblies.
   - 6-5. Remove the three lock screws from the brackets of the PC I/F unit and SR unit assemblies. Detach the shield.
   - 6-6. Remove the six lock screws from the PC I/F unit. Detach this unit from the bracket.
   - 6-7. Remove the two lock screws from the SR unit. Detach this unit from the bracket.
7. Remove the seven lock screws from the main unit and detach this unit.



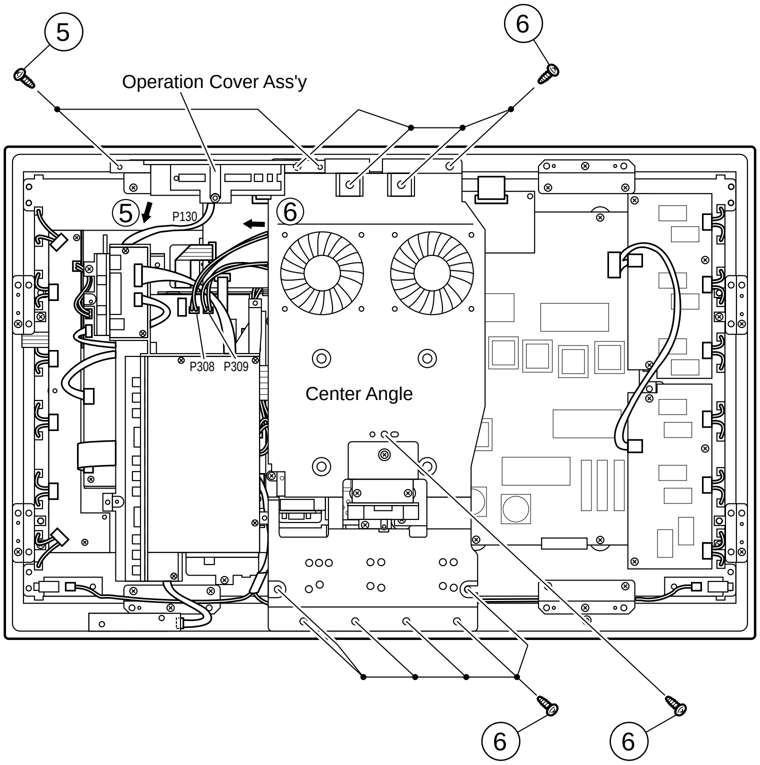
8. Remove the AV unit.
    8-1. Remove the six lock screws from the AV unit.
    8-2. Remove the six lock screws from the AV unit and detach this unit.
9. Remove the EMC unit assemblies.
    9-1. Remove the two lock screws from the EMC unit bracket.
    9-2. Remove the two lock screws from the EMC unit and detach this unit.
10. Remove the three lock screws from the power unit and detach this unit.

LCD Display

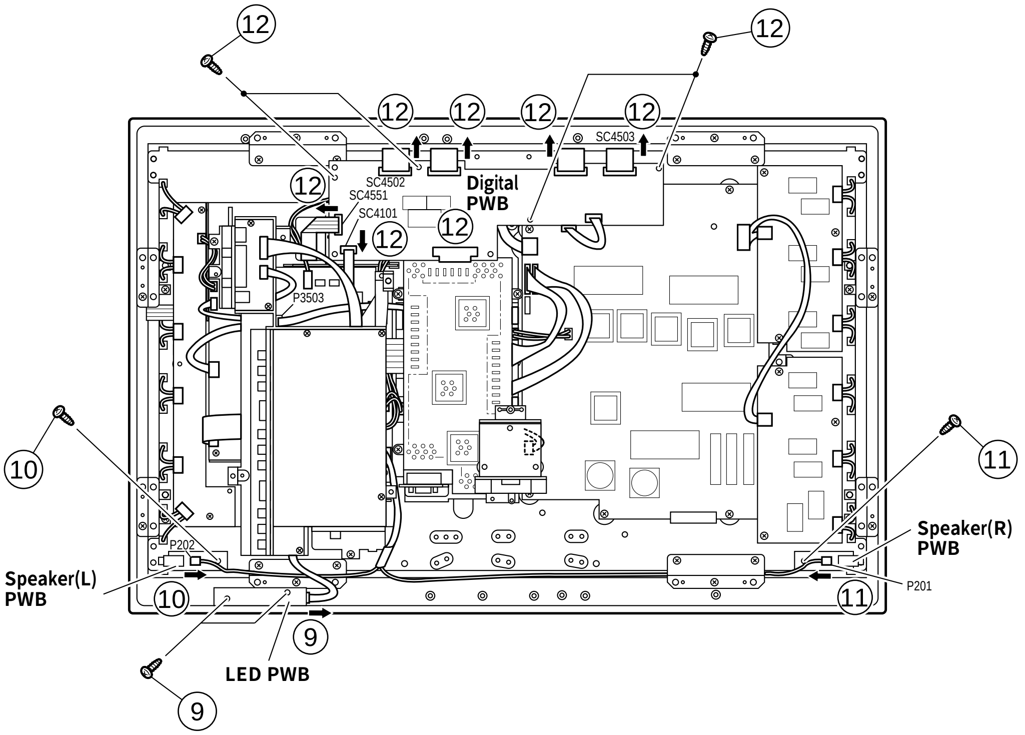
1. Take off bottom terminal cover.
2. Take off the speaker by removing 4 screws and disconnecting speaker terminals.
3. Take off the table stand by removing 6 screws.
4. Take off the rear cabinet by removing 20 screws and releasing the front cabinet's 6 hooks.


Speaker
Rear Cabinet
Speaker
Table Stand
Terminal Cover
1
2
3
4

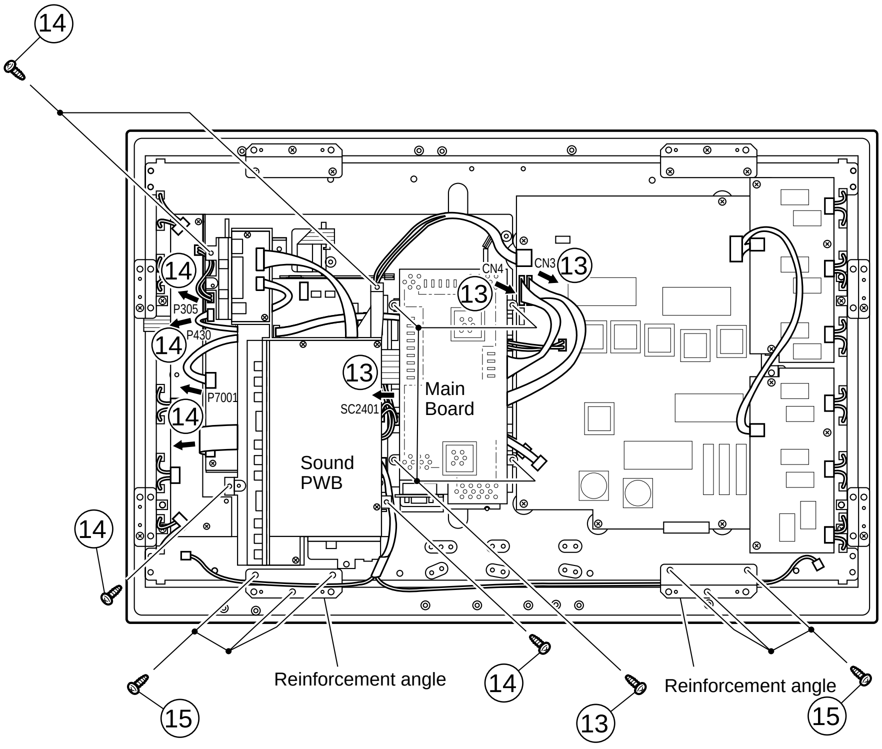
5. Take off the operation cover assembly by removing 2 screws and detaching the connector.
6. Take off the center angle by removing 11 screws and disconnecting 1 lead wire from the fan.


5
6
Operation Cover Ass'y
P130
P308
P309
Center Angle

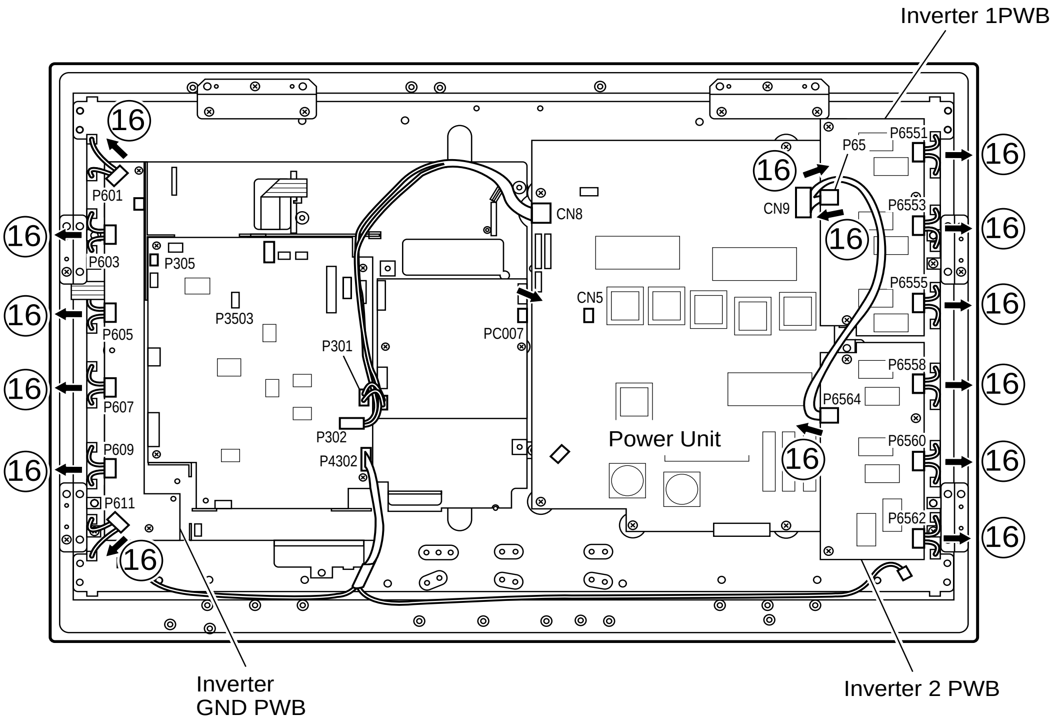
9. Take off the LED PWB by detaching one connector and removing 2 screws.
10. Take off the speaker (L) PWB by detaching one connector and removing one screw.
11. Take off the speaker (R) PWB by detaching one connector and removing one screw.
12. Take off the digital PWB by detaching one connector and removing 4 screws.


12
12
12
12
12
12
SC4503
SC4502
SC4551
SC4101
12
Digital PWB
12
12
P3503
10
11
Speaker(R) PWB
P202
Speaker(L) PWB
10
11
P201
9
LED PWB
9

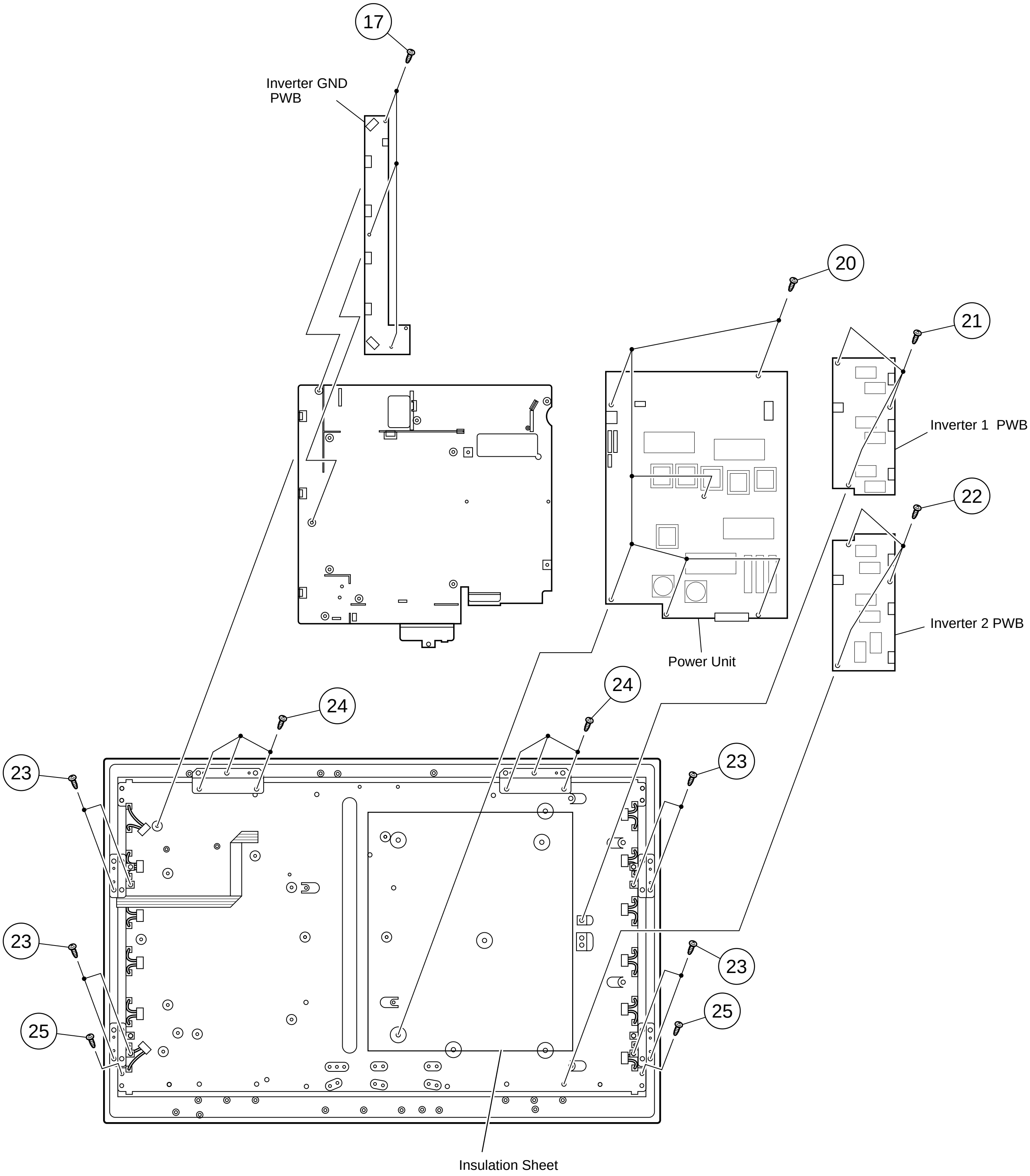
13. Take off the main board by detaching 8 connectors and removing 4 screws.
14. Take off the SOUND PWB assembly by detaching 3 connectors and removing 4 screws.
15. Take off the 2 reinforcement angles by removing 3 screws from each angle.


14
CN4
CN3
13
14
13
P305
P430
14
P7001
13
SC2401
Main Board
14
Sound PWB
14
Reinforcement angle
14
Reinforcement angle
15
13
15

16.Detach each connector.


Inverter 1PWB
16
P601
P603
P305
P605
P3503
P607
P609
P611
P301
P302
P4302
CN8
CN5
PC007
CN9
P65
P6551
P6553
P6555
P6558
P6564
P6560
P6562
Power Unit
Inverter
GND PWB
Inverter 2 PWB

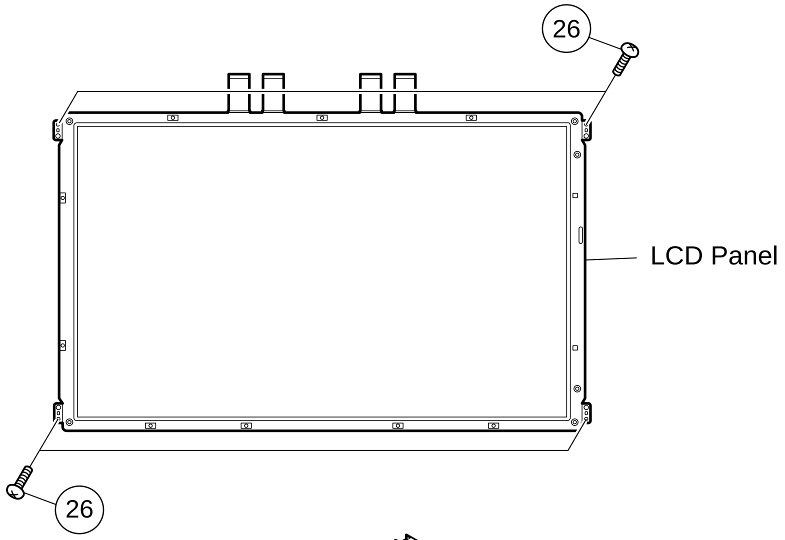
17. Take off the inverter GND PWB by removing 3 screws.
20. Take off the power PWB by removing 6 screws. Remove insulation sheet.
21. Take off the inverter 1 PWB by removing 3 screws.
22. Take off the inverter 2 PWB by removing 3 screws
23. Take off the 4 reinforcement angles by removing 2 screws from each angle.
24. Take off the 2 reinforcement angles by removing 3 screws from each angle.
25. Take off the LCD panel assembly by removing 2 screws.

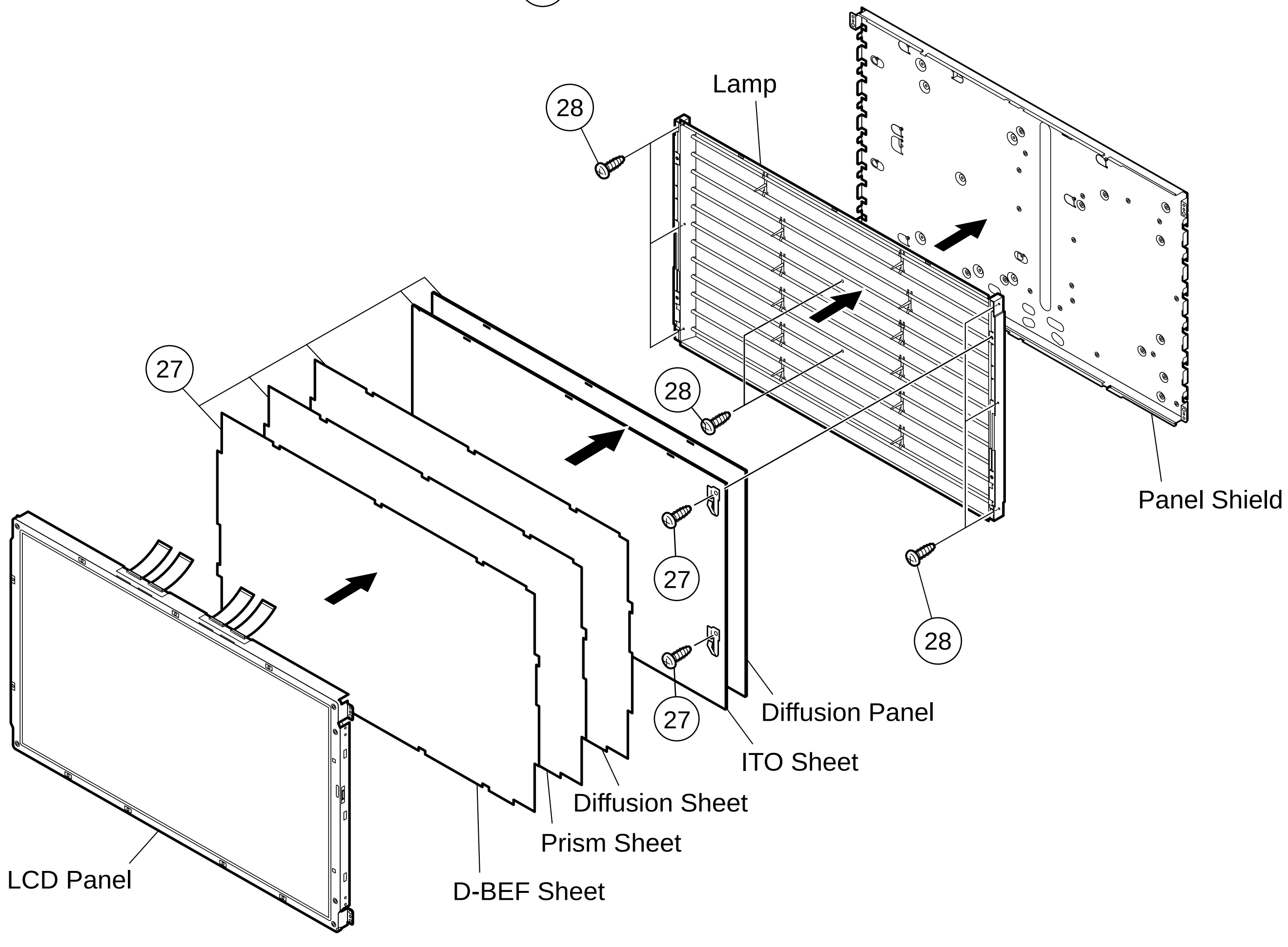

17
Inverter GND PWB
20
21
Inverter 1 PWB
22
Inverter 2 PWB
Power Unit
24
24
23
23
23
23
25
25
Insulation Sheet

26.Take off the LCD panel with panel shield by removing 4 screws.

27.Take off D-BEF sheet, prism sheet and diffusion sheet. Take off ITO sheet and diffusion panel by removing 2 screws.

28.Take off the panel shield by removing 6 screws and 2 in the center.


26
LCD Panel
26


Lamp
28
27
28
Panel Shield
27
28
27
Diffusion Panel
ITO Sheet
Diffusion Sheet
Prism Sheet
LCD Panel
D-BEF Sheet

ADJUSTMENT PROCEDURES

■ Procedure for turning ON the power

1. Connecting the system

- Using the system cable, connect the LCD Display Unit and the AVC System.
- Connect the LCD Display Unit to the AC power source.
- Connect the AVC System to the AC power source.

2. Procedure for turning ON the power

1 Press MAIN POWER on the Display.
- The STANDBY/ON indicator on the Display flashes red.

2 Press POWER on the AVC System.
- The System turns the power on.
- The STANDBY/ON indicator on the Display lights up green and the one on the AVC System lights up green.
- If the STANDBY/ON indicators still light up red, press B on the remote control unit or STANDBY/ON button on the Display to turn the System on.

When turning the AVC System on first

1 Press POWER on the AVC System.
- The STANDBY/ON indicator on the AVC System lights up red.

2 Press MAIN POWER on the Display.
- The System turns the power on.
- The STANDBY/ON indicator on the Display lights up green and the one on the AVC System lights up green.
- If the STANDBY/ON indicators still light up red, press B on the remote control unit or STANDBY/ON button on the Display to turn the System on.

Display status indicator

Off	Power off
Flashing red	AVC System does not turn on or its AC cord is disconnected.
Red	The System is in standby mode.
Green	The System turns the power on.

AVC System status indicator

Off	Power off
Red	Only the AVC System is in standby mode or the System is in standby mode.
Green	The System turns the power on.

■ Procedure for upgrading the software (AVC System)

(1) With the power being OFF, open the top cabinet for the AVC System and then set the slide switch from the NORMAL position to the WRITE position by inserting a needle-like insulator into the cutout located between the WHITE port on the rear of the shield case for the PC I/F unit and the RS-232C port.
(2) Connect the PC having the program installed, to the AVC System using the cross cable for the RS-232C port (for the details of the program, see Appendix).
(3) Open the MS-DOS window on the PC and then go to the directory in which the software is installed.
(4) Start up the system to which the AVC System and LCD Display Unit have been connected.
(5) Run “vup.bat (tentaive name)” at the MS-DOS prompt. The software will be upgraded.
(6) Load the file “civc_XXXXa.bhxmain.bhxosd.bhxt (tentaive name)”. It will take approximately a few minutes until the file has been loaded. Never turn OFF the power or operate the system during this rewriting period.
(7) After the file has been loaded, turn OFF the LCD Display Unit and the AVC System and then return the slide switch in the above step 1 from the WRITE position to the NORMAL position. Now the software has been upgraded.

■ Procedure for adjusting each part of AVC System and LCD Display

- The adjustments were made to the best settings at factory. If any setting deviates or if any readjustment is regarded as necessary when any part is replaced, perform the following steps.
- Any parameter that has been changed within the process adjustment is stored on the memory. If any readjustment is required, write down the current value before changing it.
- Use a stable AC power source.
- If the program is upgraded, it will take approximately 1 minute for the EEPROM to be initialized before any video appears. Therefore, you will need to wait for this time period. Do not turn OFF the power or operate the system during the period.
- If the program is rewritten, write down the parameters that have been changed within the process adjustment (see “5”.OSD menu and parameters displayed at manual adjustment), initialize the EEPROM, and then reenter the recorded values.

1. LCD display adjustment

See "Adjusting mode" for the steps to go into adjustment process mode.

1) +B adjustment (Digital PWB: R4648)
   1. Receive PAL standard color bar.
   2. Connect digital voltmeter to TP4602 and adjust to the specified value.

      Specification: 13.00V ± 0.05V

2) Common bias adjustment
   1. Go to "Adjustment process mode".
   2. On the LCD, select "14" of "PATTERN 1", dot inversion flicker pattern 2.
   3. Then, select "COM BIAS" on the LCD.
   4. Set the value so that the flicker on the screen is minimized.

3) Background adjustment
   1. Select video standard, and confirm the indication that the unit is preset to the standard.
   2. At video input, receive the window pattern signal having left 80% WHITE and right 20% WHITE.
   3. Set the screen size to the full mode.
   4. Go to "Adjustment process mode".
   5. Adjust "R OFFSET", "G OFFSET" and "B OFFSET" in "SIL861" so that right side 20% WHITE window pattern is set to the specified value.

   Specification: x = 0.294 y = 0.293 (80% WHITE) = 0.266 y = 0.253 (20% WHITE) [Minolta CA-110 No. 42941022]

4) Initialization
   1. Go to "Adjustment process mode".
   2. Select "1" thru "3" of "CLR MODE" in "TEST".

      Setting range: 0 Normal
      1 Initial setting (User clear: Factory setting)
      2 Initial setting (All clear) Full initialization of EEPROM (except for ROM area)
      3 Full initialization of Configuration EEPROM
   3. Move the cursor down by one line.
   4. Press "VOL UP" key and change the display from "WAIT" to "SEND" (write).
   5. Do not shut down power while the display is "SEND".
   6. When the writing is finished, the display changes from "SEND" to "WAIT".

5) Resetting lamp error counter

1. Go to "Adjustment process mode".
2. Select "L ERR RESET" in "TEST".
3. Reset the data to "0".

[L ERR RESET]

Function: Reset of fluorescent lamp error counter
It resets the times of fluorescent lamp errors and clears the last value in the memory.
Indication range: 0-5 (Fluorescent lamp errors)
(When lamp error exceeds 5 times, power supply is disabled. Resetting is required in this case.)

2. Special Mode

1. Entering a special mode

① Entering the process adjustment mode

[Steps]

(1) When using the remote control unit:
Using the system cable, properly connect the LCD Display Unit and the AVC System, and then turn ON the power.
After the system has started up, press the PROCESS ADJ button located on the remote control unit.

(2) When using buttons on the main unit:
Using the system cable, properly connect the LCD Display Unit and the AVC System.
Turn ON the power while holding down the INPUT and CH UP buttons located the LCD Display Unit.

[Description]

Various adjustments can be made manually.

② Entering the inspection process mode

[Steps]

After the system has started up, press the PROCESS ADJ button located on the remote control unit.
Set the parameter SIGNAL INFO to 1 on page 6 or 7 of the PROCESS ADJUSTMENT A MODE MENU.
Subsequently, make the necessary adjustments in accordance with the above menu.

③ Procedure for setting up delivery

[Steps]

After the system has started up, press the DELIVERY SETUP button located on the remote control unit.
(Within the adjustment process, the channel settings remain unchanged. Once you exit the process adjustment mode, the channel settings entered in the delivery adjustment mode become valid.)

[Description]

The user's adjustment parameters and others will be set to the default values. The channel settings will also be initialized.

2. Exiting a special mode

(1) Process adjustment mode: Press the PROCESS ADJ button located on the remote control unit or turn OFF the power.

(2) Inspection process mode: Set the parameter SIGNAL INFO to 0 on page 6 or 7 of the PROCESS ADJ A MODE MENU or turn OFF the power.

(3) Delivery setup: After the delivery setup has been finished, the process adjustment mode is automatically selected. To exit the process adjustment mode, press the PROCESS ADJ button located on the remote control unit or turn OFF the power.

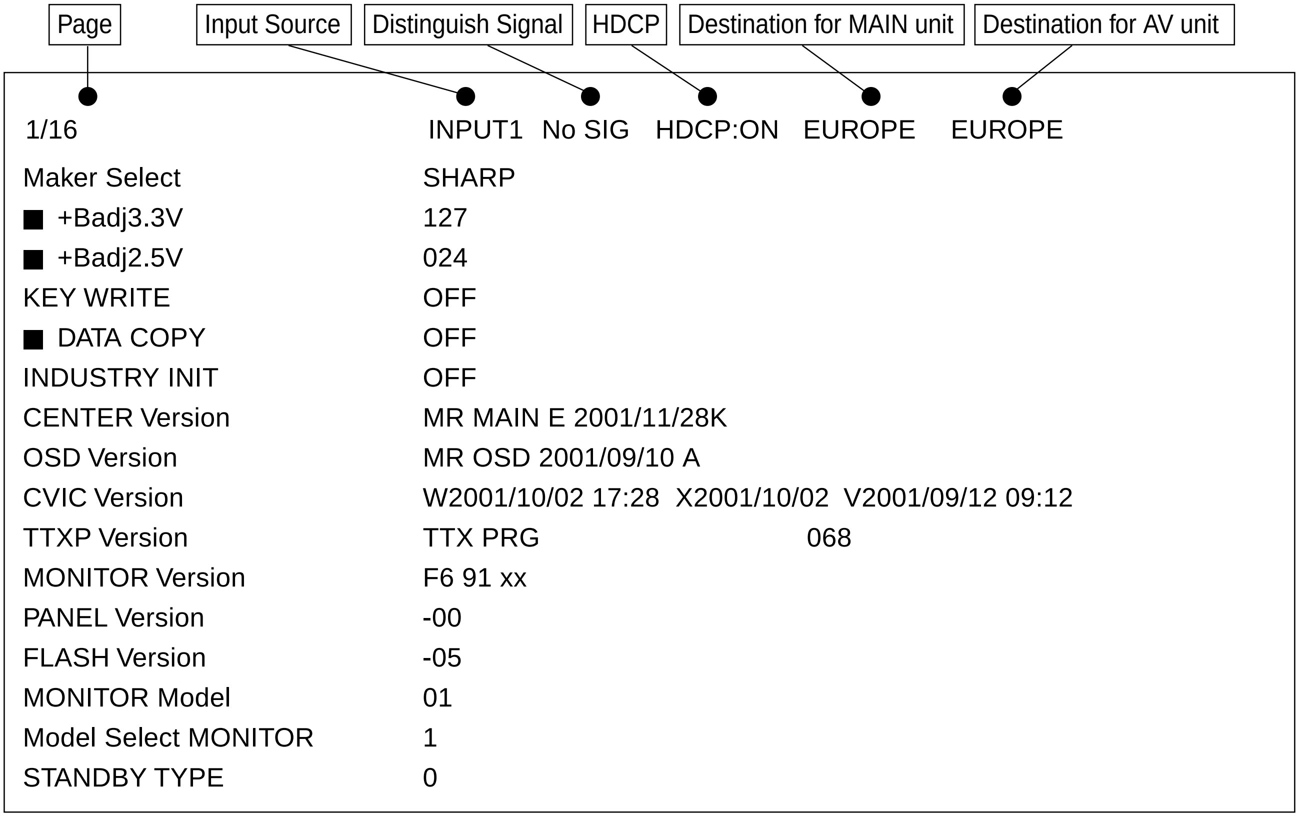
3. OSD menu and parameters displayed at manual adjustment

* The default values may slightly differ depending upon the program version to be rewritten.

* The settings are not initialized to the default values by merely rewriting the program. (See the paragraph for Preparation for adjustment.)

(1) Descriptions of special buttons in process adjustment mode
Cursor UP key : Proceeds to the previous page.
Cursor DOWN key : Returns to the next page.
VOL UP key : Increases the adjusted value by 1.
VOL DOWN key : Decreases the adjusted value by 1.
Cursor LEFT key : Decreases the adjusted value by 10.
Cursor RIGHT key : Increases the adjusted value by 10.
CH UP key : Moves up the cursor.
CH DOWN key : Moves down the cursor.

■ Organization of process adjustment screen



```
1/16                          INPUT1  No SIG   HDCP:ON   EUROPE    EUROPE
Maker Select                  SHARP
■ +Badj3.3V                   127
■ +Badj2.5V                   024
KEY WRITE                     OFF
■ DATA COPY                   OFF
INDUSTRY INIT                 OFF
CENTER Version                MR MAIN E 2001/11/28K
OSD Version                   MR OSD 2001/09/10 A
CVIC Version                  W2001/10/02 17:28  X2001/10/02  V2001/09/12 09:12
TTXP Version                  TTX PRG                    068
MONITOR Version               F6 91 xx
PANEL Version                 -00
FLASH Version                 -05
MONITOR Model                 01
Model Select MONITOR          1
STANDBY TYPE                  0
```

Parameter display	Setting range	Description
■ +B Adj3.3V	0 ~ 255	3.3 V adjustment
■ +B Adj2.5V	0 ~ 255	2.2 V adjustment
■ PAL Y CONTRAST	0 ~ 63	PAL Y level adjustment
■ PAL COLOR GAIN	0 ~ 63	PAL colour density adjustment
■ MAIN CR GAIN PAL	0 ~ 255	PAL Cr level adjustment
■ MAIN SUBBRIGHT 15K	0 ~ 63	Pedestal level adjustment (15 k)
■ MAIN CONTRAST 15K	0 ~ 15	PCB input amplitude adjustment (15 k)
■ SUB PAL Y	-30 ~ 30	Sub PAL Y level adjustment
■ SUB PAL COLOR GAIN	0 ~ 63	Sub PAL colour density adjustment
■ PEAK ACL SW	OFF/ON	
■ SECAM Y CONTRAST	0 ~ 63	SECAM Y level adjustment
■ SECAM COLOR GAIN	0 ~ 63	SECAM colour density level adjustment
■ MAIN CR GAIN SECAM	0 ~ 255	SECAM Cr level adjustment
■ N358 Y CONTRAST	0 ~ 63	N358 Y level adjustment
■ N358 COLOR GAIN	0 ~ 63	N358 colour density adjustment
■ MAIN CR GAIN N358	0 ~ 255	N358 Cr level adjustment
■ N358 TINT	-30 ~ 30	N358 tone adjustment
■ COMP 15K Y CONTRAST	0 ~ 63	COMP 15 k Y level adjustment
■ COMP 15K COLOR GAIN	0 ~ 68	COMP 15 k colour density adjustment
■ MAIN CR GAIN COMP15K	0 ~ 255	COMP 15 k Cr level adjustment
■ COMP HDTV SUB BRIGHT	0 ~ 63	COMP HDTV black level adjustment
■ COMP HDTV CONTRAST	0 ~ 15	COMP HDTV Y level adjustment
■ DATA COPY	OFF/ON	COMP HDTV colour density adjustment

The values for the above parameters should be written down before the EEPROM is replaced on the AVC system.

Note: The contents on the adjustment process menu may be somewhat different depending on the program's version-ip.

4. Procedures before and after replacing the PC I/F unit

1) Before replacing the PC I/F unit, write down the values for the parameters listed on the 2nd and 3rd pages of the Adjustment Process A screen.
   If the values for the parameters cannot be written down because the PC I/F unit is completely broken or for any other reason, make all the adjustments in accordance with the paragraph for Adjustment procedure and parameters, rather than the following procedures. (End)
   Set the parameters listed on the 2nd and 3rd pages of the Adjustment Process A screen to the values you have written down.

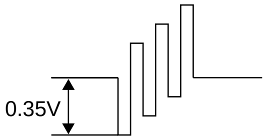
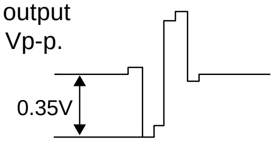
5. Adjustment parameters

1) Analog adjustment

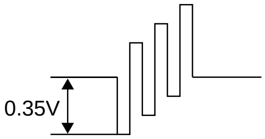
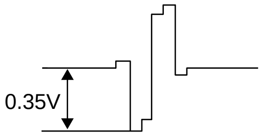
(1) Prior adjustment for AVC system chassis

	Adjustment item	Description	Adjustment procedure
1	Destination check		1. Call the process adjustment mode. 2. Check that the destination is “Europe”.
2	AVC center 3.3V adjustment	Connect DC voltmeter to TP1702.	Adjust output voltage of DC/DC 5 V line to 3.3 V. Adjusted value: 3.25~3.29 V
3	AVC center 2.5V adjustment	Connect DC voltmeter to TP1701.	Adjust output voltage of DC/DC 2.5 V line to 2.6 V. Adjusted value: 2.60~2.64 V

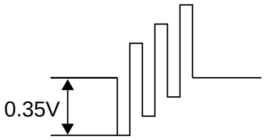
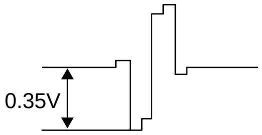
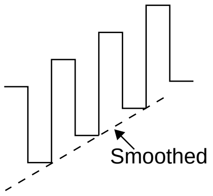
(2) PAL signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Set colour system to “PAL”. 2. Select PAL source. 100% colour bar signal including 100% white, such as split field colour bar
2	Tuner Y level adjustment		1. Adjust TP1101 so that the Y signal without the chroma component should be 1.00 ±0.05 Vp-p (between the bottom of sync signal and the white peak).
3	PAL Y CONTRAST adjustment		1. Adjust TB1274_MAIN output (TP803) to 0.7 ±0.05 Vp-p.
4	PAL COLOR GAIN adjustment		1. Adjust TB1274_MAIN output (TP802) to 0.35 ±0.025 Vp-p. 
5	MAIN CR GAIN PAL adjustment		1. Adjust TB1274_MAIN output (TP801) to 0.35 ±0.05 Vp-p. 
6	MAIN CONTRAST adjustment		1. Turn off the PEAK ACL control. Adjust the output (TP815) of IC810 to have 1.1 ±0.05 Vp-p from the pedestal level.
		Press the DUAL screen button.	1. Select the special DUAL screen settings for adjustment (so that the same video source is reflected on MAIN/SUB).
7	SUB PAL Y adjustment		1. Adjust TB1274_SUB output (TP806) to 0.9 ±0.05 Vp-p.
8	SUB PAL COLOR GAIN adjustment		1. Adjust TB1274_SUB output (TP805) to 0.9 ±0.05 Vp-p.

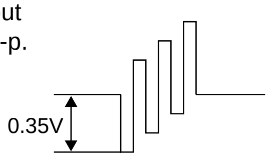
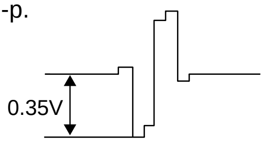
(3) SECAM signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Set colour system to SECAM. 2. Select SECAM source. 100% colour bar signal including 100% white, such as split field colour bar
2	SECAM Y CONTRAST adjustment		1. Adjust TB1274_MAIN output (TP803) to 0.7 ±0.05 Vp-p.
3	SECAM COLOR GAIN adjustment		1. Adjust TB1274_MAIN output (TP802) to 0.35 ±0.025 Vp-p. 
4	MAIN CR GAIN SECAM adjustment		1. Adjust TB1274_MAIN output (TP801) to 0.35 ±0.025 Vp-p. 

(4) N358 signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Set colour system to N358. 2. Select N358 source. 100% SMPTE colour bar or similar colour bar signal including 100% white.
2	N358 Y CONTRAST adjustment		1. Adjust TB1274_MAIN output (TP803) to 0.7 ±0.05 Vp-p.
3	N358 COLOR GAIN adjustment		1. Adjust TB1274_MAIN output (TP802) to 0.35 ±0.025 Vp-p. 
4	MAIN CR GAIN N358 adjustment		1. Adjust TB1274_MAIN output (TP801) to 0.35 ±0.025 Vp-p. 
5	N358 TINT adjustment		1. Adjust TB1274_MAIN output (TP802) so that waveform becomes as illustrated below: 

(5) Component 15k Hz signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Select component 15k Hz. 2. Select component source. 100% colour bar signal including 100% white, like split field colour bar
2	COMP 15k CONTRAST adjustment		Adjust TB1274_MAIN output (TP803) to 0.7 ±0.05 Vp-p.
3	COMP 15k COLOR GAIN adjustment		Adjust TB1274_MAIN output (TP802) to 0.35 ±0.025 Vp-p. 
4	MAIN CR GAIN COMP 15k adjustment		Adjust TB1274_MAIN output (TP801) to 0.35 ±0.025 Vp-p. 

(6) Component HDTV signal adjustment

	Adjustment item	Description	Adjustment procedure
1	Setup		1. Input HDTV (1080i) component signal. 2. Select component source. 100% colour bar signal including 100% white, like split field colour bar
2	COMP HDTV CONTRAST adjustment		Turn off the PEAK ACL control. Adjust the output (TP815) of pin (11) of IC810 to have 1.1 ±0.05 Vp-p from the pedestal level.

2. Factory settings

(1) Data Copy

	Adjustment item	Description	Adjustment procedure
1	DATA COPY		1. Using the adjustment key, set “ON” in the DATA COPY line. Wait until “OFF” is displayed instead. Finally turn off the power to quit the process adjustment mode.

(2) Delivery setup

	Adjustment item	Description	Adjustment procedure
1	DELIVERY SETUP		Press the Delivery Setup button located on the remote control unit, or position the cursor on the INDUSTRY INIT line, set the line to ON with the ADJ key, and then press the ENTER key. The adjustment is finished when the line turns OFF,

* Finally press the process adjustment key on the remote control unit to exit from the process adjustment mode. Then turn off the AC power supply of the AVC system. (Be careful not to use the power switches of the remote control unit and AVC system.)

3. Adjusting Mode

1. Overview

The controller IC can be adjusted in this mode.

Adjustment is done while controlling the setting of the resistor corresponding to the selected adjustment item.

When monitor is used independently, it is adjusted using the OSD simple display function incorporated in LCD controller.

The OSD function of panel link receiver (SIL861) is used for adjustment of the independent monitor.

2. Entry to the mode

1) When cable is not connected (independent mode), follow the steps below.
   - a) When power switch is turned on, press the main unit INPUT and VOL DOWN keys simultaneously.
   - b) Press the remote controller's process adjustment key (R/C code: 40h) / process adjustment mode 2 key (R/C code: 31h).
2) When not in independent mode, follow the steps below.
   - a) When power switch is turned on, press the main unit CH DOWN and VOL UP keys simultaneously.
   - b) Press the remote controller's process adjustment mode 2 key.

3. Exit from the mode

Turn off the power.

Press the remote controller's process adjustment mode 2 key.

4. Display

1) First layer display

The third line shows the title. The 5th line and below show the items. Microprocessor's version number appears in the 16th line.

Example) 1.00 → 1 00

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	S	E	R	V	I	C	E		M	O	D	E			
2	O	M	O	D	E			5	0	H	Z				
3		L	C	D											
4		S	I	L	8	6	1								
5		T	E	S	T										
6						V	E	R		X		X	X		

2) Second layer display (Adjustment item display)

A single page shows up to 10 adjustment items (or 14 lines).

The third line shows the title and the screen mode selected in MODE items (only when LCD is selected).

The 5th line shows the item. Microprocessor's version number appears in the 16th line.

Example) 1.00 → 1 00

Setting is shown in decimal number.

a) Adjustment on the LCD items

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	L	C	D			5	0	H	Z						
2	O	V	L	0								2	2	1	
3		R	E	F	0							2	0	9	
4		V	L	6	4								9	8	
5		R	E	F	6	4						1	7	0	
6		V	L	9	6								9	2	
7		R	E	F	9	6						1	8	4	
8		V	L	1	2	8							8	5	
9		R	E	F	1	2	8					1	8	8	
10		V	L	1	6	0							7	1	
11		R	E	F	1	6	0					1	9	9	

b) Adjustment on the TEST items

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	T	E	S	T										
2	O	L		E	R	R		R	E					0
3		L	C	D		D	A	T	A		0	0	0	0
4											W	A	I	T
5		C	L	R		M	O	D	E					0
6											W	A	I	T
7		C	N	F	G		E	E	P		0	0	0	0
8											W	A	I	T

5. Changing data

In "adjustment item display", the items pointed by cursor can be changed using VOL UP/DOWN key.(Holding down the key is effective.)
For the items in "LCD DATA", select the item and hit ENTER key. The ten's digit (leftmost digit) in the address changes to red (others in green). Data change using VOL UP/DOWN key is enabled.
To move to the next digit, press CH UP key (or rightward cursor key). To go back to the previous digit, press CH DOWN key (or leftward cursor key). Thus, 4 digits data can be entered.
When CH UP key is pressed while in rightmost digit, the cursor moves to the leftmost digit. When CH DOWN key is pressed while in leftmost digit, the cursor moves to the rightmost digit.
After address data adjustment, press ENTER key to exit from 4-digit adjustment and change the entire "LCD DATA" line to red letters. (Same status as item selection)

6. Key operation

1) Basic behaviors
Basic key behaviors are as follows.

Behavior	Keys	
	Remote controller	Main unit
Upward cursor movement	Cursor up	CH UP
Downward cursor movement	Cursor down	CH DOWN
Rightward cursor movement	Cursor right	
Leftward cursor movement	Cursor left	
Data UP	VOL UP	VOL UP
Data DOWN	VOL DOWN	VOL DOWN
Set	ENTER	INPUT
Back to previous layer	RETURN	
Back (In bottom layer only)	ENTER	INPUT

2) Data UP/DOWN
For the item for which OSD display is available, switch the display.
Adjust the data with UP/DOWN operation. (Any value beyond the limit is replaced by the limit value.)
Output data processing
Data transmission for every UP/DOWN operation (Data related to peripheral controller IC)
Execution of the last memory data when key is off
While the key is held down, the second step is performed approx. 500ms after the key operation and, after this, every single step of UP/DOWN is carried out sequentially at 135ms interval.

3) Cursor UP/DOWN
Select the adjustment item by pointing it with the cursor.
When upward cursor movement is done while the cursor is at the top item, the cursor goes to the bottom item. (In the case of multiple pages, the cursor goes to the bottom item on the previous page.)
When downward cursor movement is done while the cursor is at the bottom item, the cursor goes to the top item. (In the case of multiple pages, the cursor goes to the top item on the next page.)
While the key is held down, the second step is performed approx. 500ms after the key operation and, after this, every single step of UP/DOWN is carried out sequentially at 135ms interval.

ADJUSTMENT MODE MENU LIST

First layer item	PAGE	ITEM	SETTING RANGE	INITIAL VALUE	DATA SETTING
MODE	1		50HZ/60HZ/PC	50HZ	Toggle
LCD	1	VL0	0 ~ 255	221	No Toggle
		REF0	0 ~ 255	209	No Toggle
		VL64	0 ~ 255	98	No Toggle
		REF64	0 ~ 255	170	No Toggle
		VL96	0 ~ 255	92	No Toggle
		REF96	0 ~ 255	184	No Toggle
		VL128	0 ~ 255	85	No Toggle
		REF128	0 ~ 255	188	No Toggle
		VL160	0 ~ 255	71	No Toggle
		REF160	0 ~ 255	199	No Toggle
	2	VL192	0 ~ 255	77	No Toggle
		REF192	0 ~ 255	103	No Toggle
		VL224	0 ~ 255	88	No Toggle
		REF224	0 ~ 255	112	No Toggle
		VL256	0 ~ 255	108	No Toggle
		REF256	0 ~ 255	78	No Toggle
		COM BIAS	0 ~ 255	70	No Toggle
		PWM CTRL	0 ~ 7		Toggle
		PWM FREQ	0 ~ 4095	585	No Toggle
		PWM DUTY	0 ~ 4095	0	No Toggle
	3	PATTERN1	0 ~ 14	0	Toggle
		PATTERN2	0 ~ 12	0	Toggle
		P – CLK1	0 ~ 3	0	No Toggle
		P – CLK2	0 ~ 7	0	No Toggle
		OS SW	0 ~ 1	0	Toggle
		OS D1	0 ~ 255	138	No Toggle
		OS D2	0 ~ 255	167	No Toggle
		OS D3	0 ~ 255	170	No Toggle
		OPC LV0	0 ~ 85	0(40)	No Toggle
		OPC LV1	0 ~ 85	8(44)	No Toggle
	4	OPC LV2	0 ~ 85	16(48)	No Toggle
		OPC LV3	0 ~ 85	24(52	)No Toggle
		OPC LV4	0 ~ 85	32(56)	No Toggle
		OPC LV5	0 ~ 85	40(60)	No Toggle
		OPC LV6	0 ~ 85	48(64)	No Toggle
		OPC LV7	0 ~ 85	56(68)	No Toggle
		OPC LV8	0 ~ 85	64(72)	No Toggle
		OPC LV9	0 ~ 85	72(76)	No Toggle
		OPC LV10	0 ~ 85	80(80)	No Toggle
SIL861	1	R GAMMA	20 ~ 180	100	No Toggle
		R OFFSET	0 ~ 510	256	No Toggle
		G GAMMA	20 ~ 180	100	No Toggle
		G OFFSET	0 ~ 510	256	No Toggle
		B GAMMA	20 ~ 180	100	No Toggle
		B OFFSET	0 ~ 510	256	No Toggle
TEST	1	L ERR RESET	0 ~ 5 0	Toggle	
		LCD DATA	Four digits 0 ~ F	0	Toggle
			WAIT/SEND	WAIT	———
		CLR MODE	One digits 0 ~ 2	0	Toggle
			WAIT/SEND	WAIT	———
		CNFG EEP	Four digits 0 ~ F	0	Toggle
			WAIT/SEND	WAIT	———

* Values in the parentheses are with PC.

DESCRIPTION OF MAJOR IC FUNCTIONS

● Description of Main ICs

- **IC1301 (CXA2069Q)**
  This IC is a 7-input, 3-output selector.
  The video signals other than those for the PC, components and RGB input, which have been input from each input connector and the tuner, and all the audio signals are sent to the IC1301 and then selected.
  Output 1 is used internally and output 3 in the monitor output.
  When the S video input is output to the monitor, Y and C signals are mixed in this IC.
  The video signals sent to the IC1301 are then input to the YC separation circuits, IC405 (main) and IC402 (sub).
  The audio signals are input to the PC I/F Unit via IC2501 (sound processor).

- **IC1401 (MM1519XQ)**
  This IC is a 4-input, 8-output video selector for component input.
  The AV3 component input, AV1, RGB input, and Teletext RGB signals are input to the IC1401. The output signals go to the main, sub, and component channels.

- **IC1601 (SDA5550M).**
  This IC is a microprocessor for Teletext.
  Video signals are input to the IC1601, which then decodes the Teletex data and outputs it as RGB data.

- **IC2501 (IX3371CE)**
  This IC is used to decode audio signals.
  It serves as both the S IF decoder and the selector for the input audio data.

- **IC801/IC802 (TB1274AF)**
  This IC synchronizes video and chroma signals for PAL/NTSC/SECAM colour televisions.
  Its video circuit includes a high-performance image quality compensation circuit and its chroma circuit a PAL/NTSC/SECAM automatic selection circuit. The PAL-M/N clock signals at 4.43 and 8.58 MHz are internally generated for colour demodulation.
  The PAL/SECAM demodulation circuit uses a base band signal processing system with built-in IH DL and is therefore adjustment-free.
  The IC801/IC802 has 4 lines for YC signal input, 2 lines for RGB signal input, and 2 lines for colour difference signal input. It receives colour different signals for the main and sub channels from IC405 (main), IC402 (sub), and IC1401 in the former stage, and provides 1 line for colour difference signal output.

- **IC803 (CXA2101Q)**
  This IC consists of a base band signal processing section for colour different input, an RGB signal processing section, and a 4-line video switch (including HV synchronizing signal processing).
  Input selection is performed by INPUT-SEL (I^2C BUS). YCbCr, HD YPbPr, GBR and their respective HV synchronizing signals are input to each line.
  As the multi-scanning compliance range, a horizontal scanning frequency of 15~60 kHz can be input.

- **IC1901 (IX3566CE)**
  This IC is FPGA for the synchronizing system.
  It creates sand castle pulses for IC803 and generates horizontal blanking signals.
- **IC604 (TA1318AF)**
  This IC synchronizes TV component signals.
  The IC804 incorporates the necessary functions for measuring the frequency of input signals and synchronous replay into a single chip, and is applicable for horizontal synchronous replay (15.75, 31.5, 33.75, and 45 kHz) and vertical synchronous replay (525I, 525P, 625I, 750P, 1125I, 1125P, PAL 100 Hz, and NTSC 120 Hz).

- **IC405/IC402 (CXD2064Q)**
  This IC is a comb filter in the applicable field for both the NTSC and PAL systems. It performs the Y/C separation of the main and sub channel video signals that have been output from IC1801.

- **IC407/IC404 (ML6428C1)**
  This IC is a 6.7 MHz low-pass filter.

- **IC810/IC804 (IX3473CE)**
  This IC is a 6.7 MHz low-pass filter incorporating a 6 dB amplifier.

- **IC811 (IX3474CE)**
  This IC is a 30 MHz low-pass filter incorporating a 6 dB amplifier.

● Description of Functions of Main ICs on PC I/F Unit

- **IC4 (CXA3506R)**
  This IC is an A/D converter that incorporates a 3-channel, 8-bit, 120 MSPS amplifier and PLL. It is used for the video signals input to the PC I/F unit on the main channel in the 1-screen and 2-screen modes, and also for the video signals input from the front for the PC.
  The video signals (analog RGB) from the CN6 are input to IN1 of IC4.
  For the PC, the video signals (analog RGB) from CN8 are input to IN2 of IC4.
  The input video signals are converted into digital signals and then sent to IC25.

- **IC310 (TLC5733A)**
  This IC is a 3-channel, 8-bit, 20 MSPS A/D converter.
  It is used for the sub-channel of the video signals input to the PC I/F Unit in the 2-screen mode.
  The video signals (analog Y, Cb, Cr) from CN6 are input to IC310.
  The video signals input to this IC are converted into digital signals and then sent to IC25.

- **IC25 (IX3434CE)**
  This IC performs the I/P conversion and scaling to match the digitalized video with the output resolution, and also the data conversion.
  It has two input lines, V0 and V1. The V0 line is used to process the RGB, composite, and skirt signals input to the 480i and 580i components for the sub-channel in the 2-screen mode. The V1 line is used to process all the signals as well as V1 for the main channel in the 1-screen and 2-screen modes.
  The IC25 detects what resolution is input from the input synchronizing signal; creates H synchronization in accordance with the frequency division ratio; creates the clamp signal in accordance with the input synchronizing signal; and performs the data matrix conversion.
  The video signals input to this IC is sent to IC413.

- **IC413 (SiI168)**
  This IC is a panel link transmitter.
  It converts the 8-bit RGB video data output from IC25 into the differential TMDS signals and then digitally transmits the converted signals to the monitor.
  The TMDS signals are transmitted at the frequency 10 times higher than the clock frequency.

- **IC1 (IX3270CE)**
  This IC is a 1-chip RISC microprocessor.
  It performs communication with the monitor and operates the system.
  The IC1 also controls each IC in the AVC system and partially manages the power source.

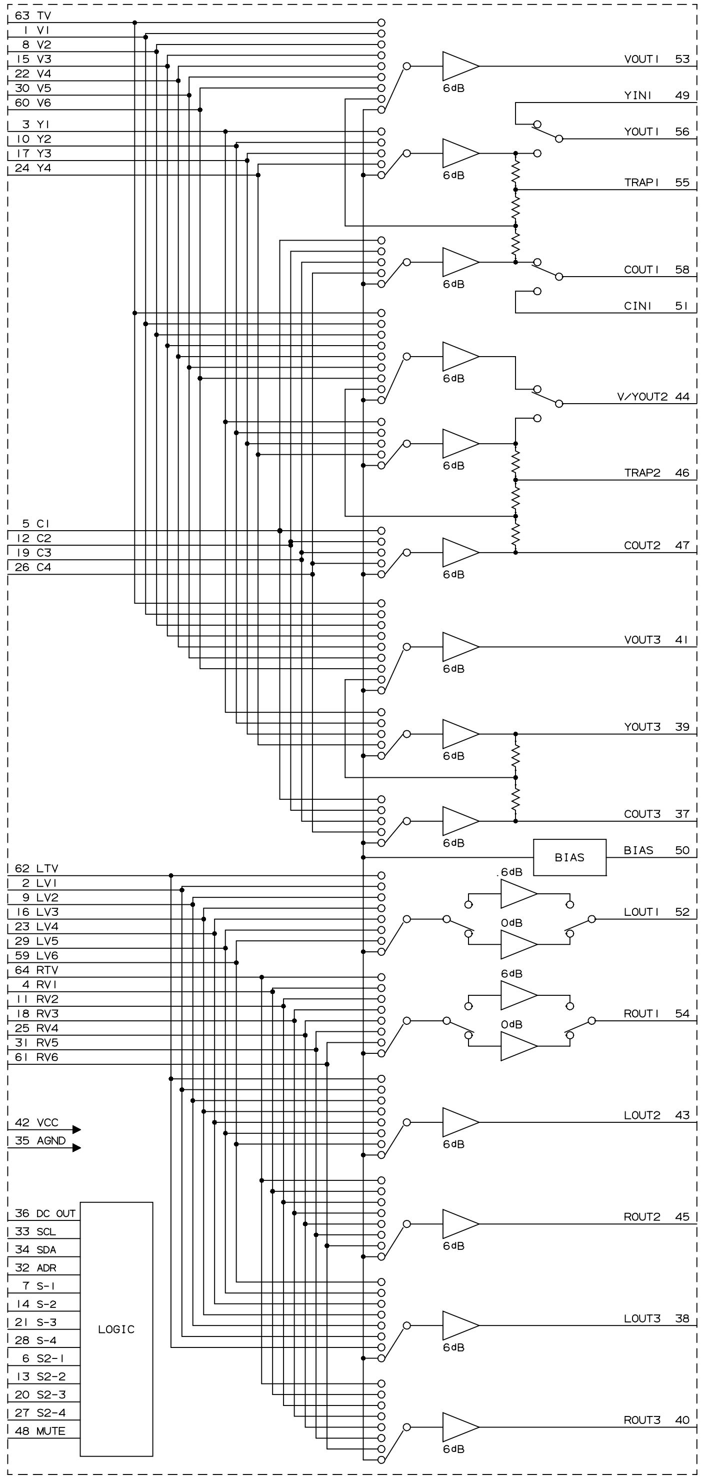
- **IC405 (uPD4721)**
  This IC is an RS-232 line driver receiver conforming to the EIA/TIA-232-E standard.
  The IC405, when connected to a PC, allows for externally controlling the system.
  It is also applicable for upgrading IC1.

- The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

■ VHiCXA2069Q-1 (ASSY: IC1301)

- **S2-Compatible, 7-Input/3-Ouput AV Switch**

- **Block Diagram**


63 TV
1 V1
8 V2
15 V3
22 V4
30 V5
60 V6
3 Y1
10 Y2
17 Y3
24 Y4
5 C1
12 C2
19 C3
26 C4
62 LTV
2 LV1
9 LV2
16 LV3
23 LV4
29 LV5
59 LV6
64 RTV
4 RV1
11 RV2
18 RV3
25 RV4
31 RV5
61 RV6
42 VCC
35 AGND
36 DC OUT
33 SCL
34 SDA
32 ADR
7 S-1
14 S-2
21 S-3
28 S-4
6 S2-1
13 S2-2
20 S2-3
27 S2-4
48 MUTE
LOGIC
6dB
0dB
BIAS
VOUT1 53
YIN1 49
YOUT1 56
TRAP1 55
COUT1 58
CIN1 51
V/YOUT2 44
TRAP2 46
COUT2 47
VOUT3 41
YOUT3 39
COUT3 37
BIAS 50
LOUT1 52
ROUT1 54
LOUT2 43
ROUT2 45
LOUT3 38
ROUT3 40

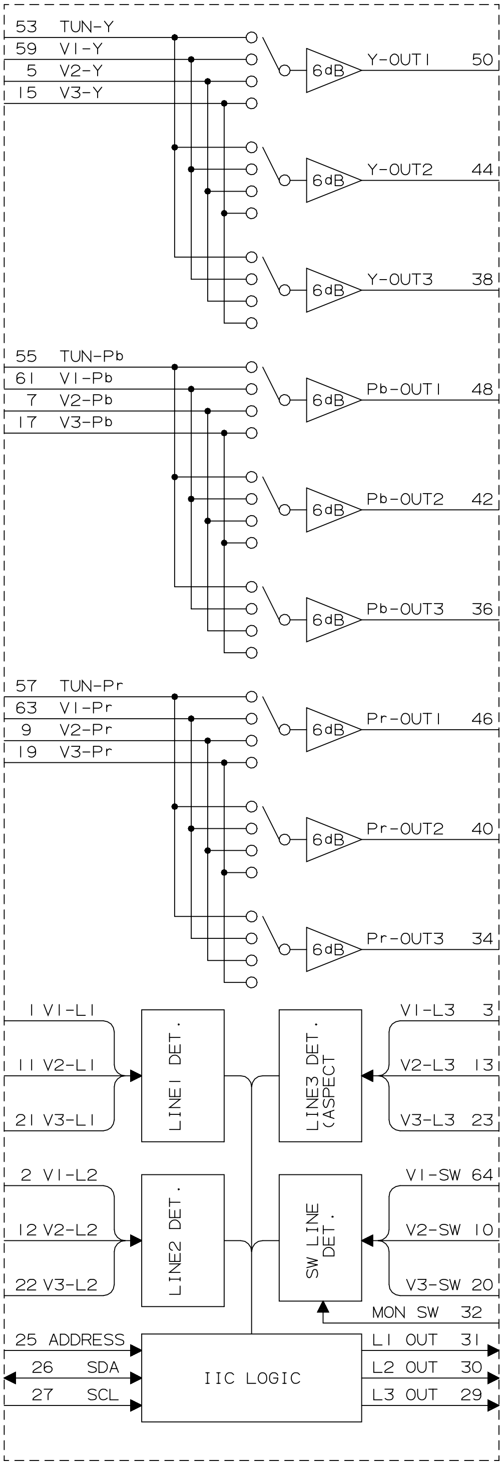
● Pin Function

Pin No.	Pin Name	I/O	Pin Function
63	TV	I	Video signal input.
1	V1	I	Composite video signal input
8	V2	I	
15	V3	I	
22	V4	I	
30	V5	I	
60	V6	I	
3	Y1	I	Y/C-separated signal input terminal for luminance signal input. YIN1 to feed in the Y/C-separated signal of VOUT1 output.
10	Y2	I	
17	Y3	I	
24	Y4	I	
49	YIN1	I	
5	C1	I	Y/C-separated signal input terminal for chrominance signal input. CIN1 to feed in the Y/C-separated signal of VOUT1 output.
12	C2	I	
19	C3	I	
26	C4	I	
51	CIN1	I	
62, 2	LTV, LV1	I	Audio signal input terminal.
9, 16	LV2, LV3	I	
23, 29	LV4, LV5	I	
59, 64	LV6, RTV	I	
4, 11	RV1, RV2	I	
18, 25	RV3, RV4	I	
31, 61	RV5, RV6	I	
53	VOUT1	O	Video signal output terminal for composite video signal output.
41	VOUT3	O	
44	V/YOUT2	O	Video signal output terminal for selection between composite video signal output and luminance signal output by I2C Bus control.
56	YOUT1	O	Video signal output terminal for luminance signal output.
39	YOUT3	O	
58	COUT1	O	Video signal output terminal for chrominance signal output.
47	COUT2	O	
37	COUT3	O	
52	LOUT1	O	Audio signal output terminal.
43	LOUT2	O	
38	LOUT3	O	
54	ROUT1	O	
45	ROUT2	O	
40	ROUT3	O	
6	S2-1	I	Used to detect C signal-superimposed, S2-compatible DC level. 4:3 video signal when below 1.3V. 4:3 letterbox signal when between 1.3V and 2.5V. 16:9 image squeeze signal when above 2.5V. To be pulled down to GDN at 100KΩ to produce 4:3 video signal when open.
13	S2-2	I	
20	S2-3	I	
27	S2-4	I	
7	S-1	I	Used to switch between composite video and S signals. Detection results to be written in status register. S signal when below 3.5V. Composite video signal when above 3.5V. To be pulled up to 5V at 100KΩ to produce composite video signal when open.
14	S-2	I	
21	S-3	I	
28	S-4	I	
32	ADR	I	Used to select I2C Bus slave address. 90H when below 1.5V. 92H when above 2.5V. 90H also when the terminal is open.
33	SCL	I	I2C Bus signal input terminal.
34	SDA	I	I2C Bus signal input terminal.
36	DC OUT	O	Used to feed out S2-compatible DC level to be superimposed on COUT3 output. DC to be superimposed by connecting to COUT3 output via a capacitor. Control to be made by I2C Bus. S2-specified output impedance of 10 ±3KΩ to be realized by adding an external resistance of 4.7KΩ.
55	TRAP1	I	Subcarrier trap circuit to be connected.
46	TRAP2	I	
48	MUTE	I	Audio signal output mute terminal. Mute off when below 1.3V. Mute on when above 2.5V. Mute off when the terminal is open.
50	BIAS	I	Internal reference bias (Vcc/2) terminal. To be connected to GND with a capacitor in between.

■ VHiMM1519XQ-1(IC1401)

● Component Input Video Switch

● Block Diagram


53 TUN-Y
59 V1-Y
5 V2-Y
15 V3-Y
6dB
Y-OUT1 50
6dB
Y-OUT2 44
6dB
Y-OUT3 38
55 TUN-Pb
61 V1-Pb
7 V2-Pb
17 V3-Pb
6dB
Pb-OUT1 48
6dB
Pb-OUT2 42
6dB
Pb-OUT3 36
57 TUN-Pr
63 V1-Pr
9 V2-Pr
19 V3-Pr
6dB
Pr-OUT1 46
6dB
Pr-OUT2 40
6dB
Pr-OUT3 34
1 V1-L1
11 V2-L1
21 V3-L1
LINE1 DET.
LINE3 DET. (ASPECT
V1-L3 3
V2-L3 13
V3-L3 23
2 V1-L2
12 V2-L2
22 V3-L2
LINE2 DET.
SW LINE DET.
V1-SW 64
V2-SW 10
V3-SW 20
MON SW 32
25 ADDRESS
26 SDA
27 SCL
IIC LOGIC
L1 OUT 31
L2 OUT 30
L3 OUT 29

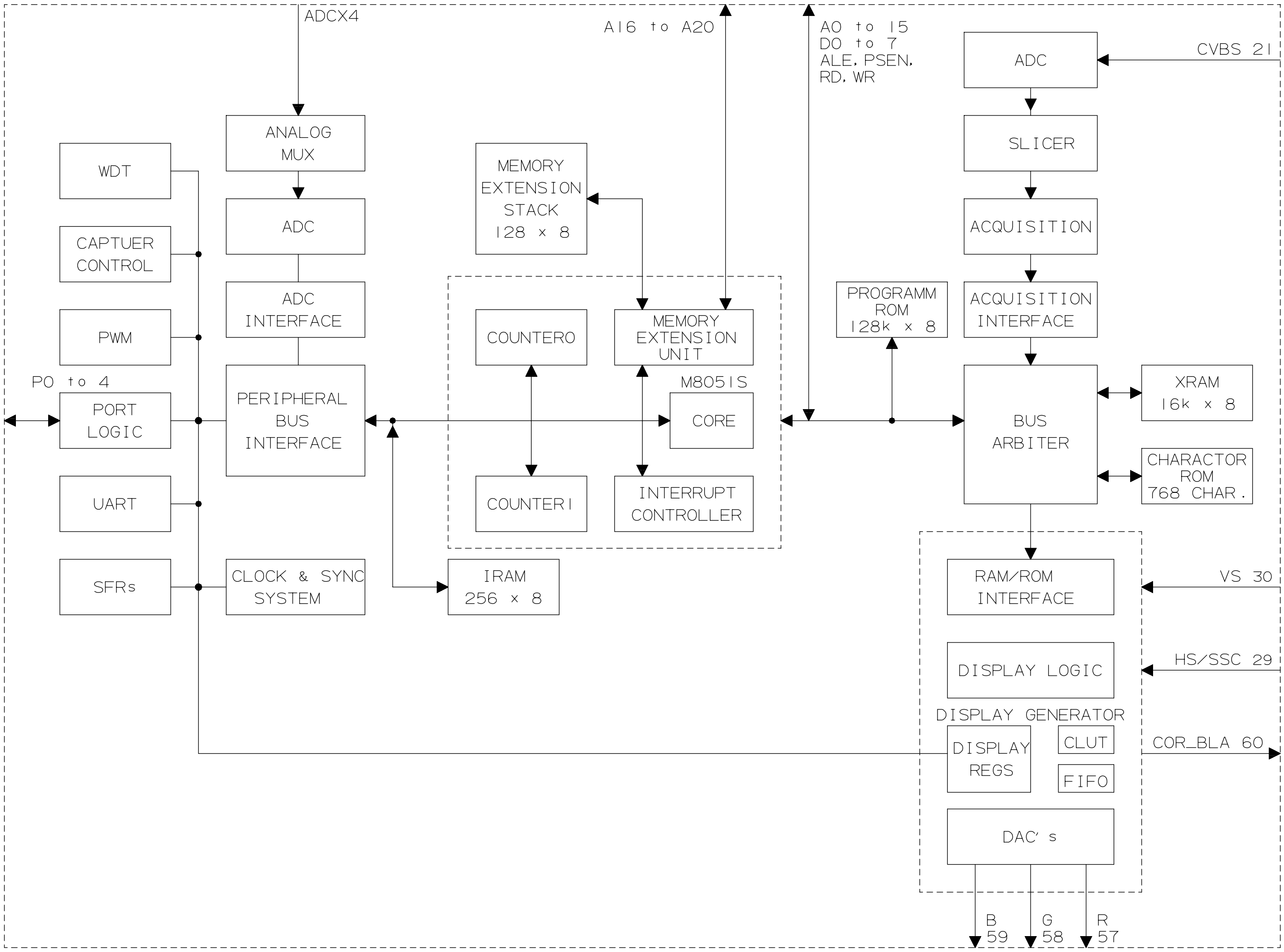
● Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	VIDEO 1-L1	I	Line input of D-terminal
2	VIDEO 1-L2	I	
3	VIDEO 1-L3	I	
11	VIDEO 2-L1	I	
12	VIDEO 2-L2	I	
13	VIDEO 2-L3	I	
21	VIDEO 3-L1	I	
22	VIDEO 3-L2	I	
23	VIDEO 3-L3	I	
4, 14, 39, 45, 52, 58	VCC	—	Analog power supply (9V)
51	AVCC	—	
5	VIDEO 2-Y	I	Y-signal input
15	VIDEO 3-Y	I	
53	TUNER-Y	I	
59	VIDEO 1-Y	I	
24	DGND	—	GND
6, 8, 16, 18, 33, 35, 37, 41, 43, 47, 49, 54, 56, 60, 62	GND	—	
7	VIDEO 2-Pb	I	Pb, Pr signal input
9	VIDEO 2-Pr	I	
17	VIDEO 3-Pb	I	
19	VIDEO 3-Pr	I	
55	TUNER-Pb	I	
57	TUNER-Pr	I	
61	VIDEO 1-Pb	I	
63	VIDEO 1-Pr	I	
10	VIDEO 2-SW	I	Switch line of D-terminal
20	VIDEO 3-SW	I	
32	MONO-SW	I	
64	VIDEO 1-SW	I	
25	ADDRESS	I	Slave address select pin
26	SDA	I/O	Data input of I2C bus
27	SCL	I	Clock input of I2C bus
28	DVCC	—	Digital power supply (5V)
29	L3 OUT	O	Line output for monitor
30	L2 OUT	O	
31	L1 OUT	O	
34	Pr OUT 3	O	Video signal output
36	Pb OUT 3	O	
38	Y OUT 3	O	
40	Pr OUT 2	O	
42	Pb OUT 2	O	
44	Y OUT 2	O	
46	Pr OUT 1	O	
48	Pb OUT 1	O	
50	Y OUT 1	O	

■ VHiSDA5550M-1 (ASSY: IC1601)

• Stereo Audio DAC

• Block Diagram


ADCX4
A16 to A20
A0 to 15
D0 to 7
ALE, PSEN,
RD, WR
ADC
CVBS 21
ANALOG MUX
WDT
MEMORY EXTENSION STACK 128 × 8
SLICER
ADC
CAPTUER CONTROL
ACQUISITION
ADC INTERFACE
PWM
COUNTER0
MEMORY EXTENSION UNIT
PROGRAMM ROM 128k × 8
ACQUISITION INTERFACE
P0 to 4
M8051S
XRAM 16k × 8
PORT LOGIC
PERIPHERAL BUS INTERFACE
CORE
BUS ARBITER
CHARACTOR ROM 768 CHAR.
UART
COUNTER1
INTERRUPT CONTROLLER
SFRs
CLOCK & SYNC SYSTEM
IRAM 256 × 8
RAM/ROM INTERFACE
VS 30
DISPLAY LOGIC
HS/SSC 29
DISPLAY GENERATOR
DISPLAY REGS
CLUT
FIFO
COR_BLA 60
DAC' s
B 59
G 58
R 57

• Pin Function

Pin No.	Pin Name	I/O	Pin Function
99, 1, 3, 4, 2, 100, 98, 96	D0-D7	I/O	Data bus for external memory or data RAM.
97, 94, 93, 89, 86, 84, 82, 79, 81, 83, 90, 85, 77, 78, 76, 71, 69	A0-A16	O	Address bus for external program memory or data RAM.
70, 68, 67	A17-A19/ P4.0, P4.1, P4.4	I/O	After power-on P4.0,P4.1,P4.4 work as additional address lines A17…A19. In port mode, these port lines act as bi-directional I/O port with internal pull-up resistors. Port pins that have ‘1’ written to them are pulled high by the internal pull-up resistors and in that state can be used as inputs.
9, 10, 11, 12, 13, 14, 15, 16	P0.0-P0.7	I/O	Port 0 is a 8-bit open drain bi-directional I/O-port. Port 0 pins that have 1 written to them float: in this state they can be used as high impedance inputs.
41, 42, 43, 44, 45, 46, 47, 62	P1.0-P1.7 (PWM)	I/O	Port is a 8-bit bi-directional multifunction I/O port with internal pull-up resistors. Port 1 pins that have 1 written to them are pulled high by the internal pull-up resistors and in that state can be used as inputs. The secondary functions of port 1 pins are: Port bits P1.0-P1.5 contain the 6 output channels of the 8-bit pulse width modulation unit. Port bits P1.6-P1.7 contain the two output channels of the 14-bit pulse width modulation unit.
24, 25, 26, 27	P2.0-P2.3 (ADC)	I	Port 2 is a 4-bit input port without pull-up resistors. Port 2 also works as analog input for the 4-channel-ADC.

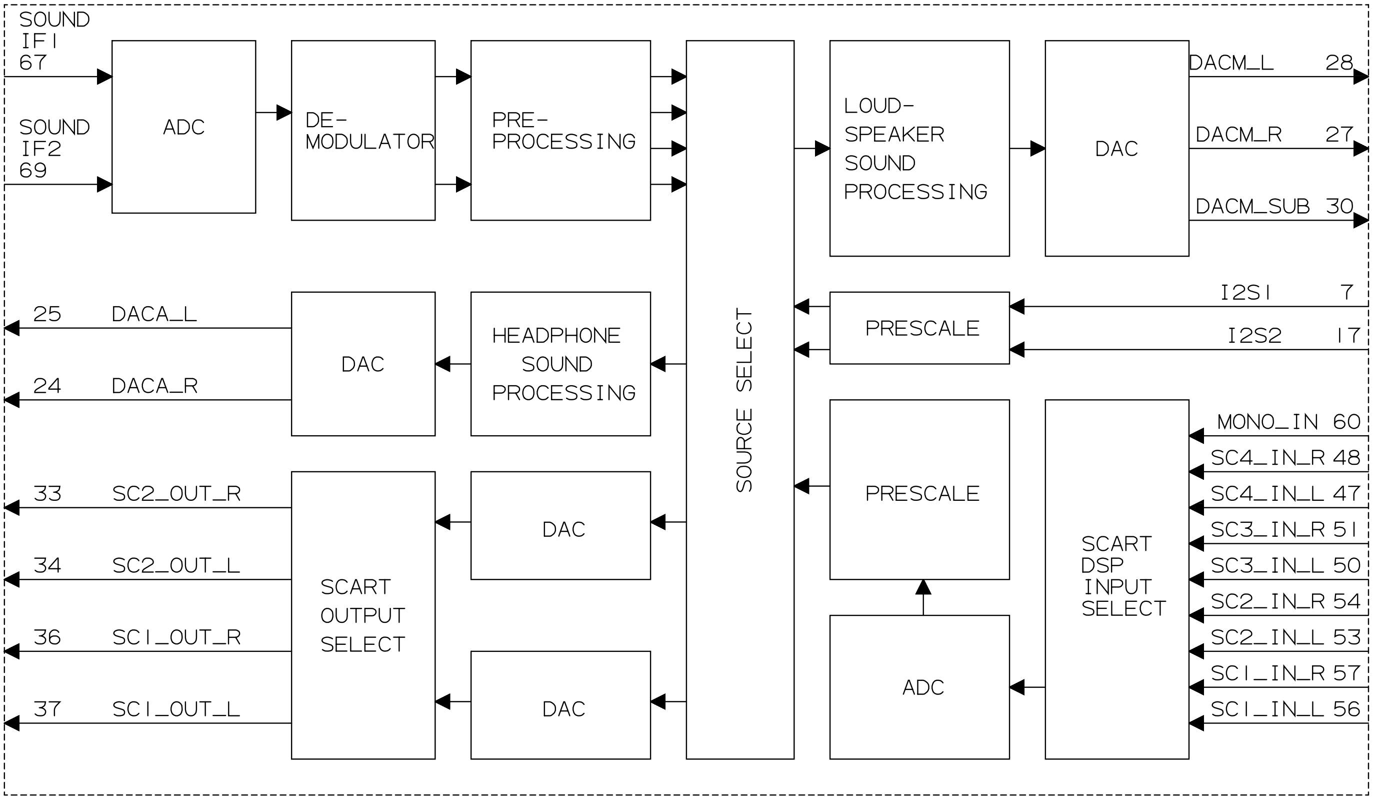
• Pin Function

Pin No.	Pin Name	I/O	Pin Function
31, 32, 33, 34, 35, 36, 37, 38	P3.0-P3.7	I/O	Port 3 is an 8-bit bi-directional I/O port with internal pull-up resistors, Port 3 pins that have 1 written to them are pulled high by the internal pull-up resistors and in that state can be used as inputs, To use the secondary functions of Port 3, the corresponding output latch must be programmed to a one (1) for that function to operate. The secondary functions are as follows: • Alternate function P3.0 : ODD/EVEN indicate output P3.1 : external extra interrupt 0 (INTX0)/UART(TXD) P3.2 : interrupt 0 input/timer 0 gate control input)INT0) P3.3 : interrupt 1 input/timer 1 gate control input)INT1) P3.4 : counter 0 input (T0) P3.5 : counter 1 input (T1) or In master mode HS or VCS output. P3.7 : external extra interrupt 0 (INTX1)/UART (RXD)
48, 49	P4.2-P4.3(P4.7)	I/O	Port 4 is a bi-directional I/O port with internal pull-up resistors. Port 4 pins that have 1 written to them are pulled high by the internal pull-up resistors and in that state can be used as inputs. Secondary functions P4.2: RD, Read line. This signal is same as the to output of the pin RD available in some packages. P4.3: WR write line. This signal is same as the output of the pin WE, which is only available in some package.
5	XROM	I	This pin must be pulled low to access external ROM.
17	ENE	I	Enable Emulation Only if this pin set to zero externally, STOP and OCF are operational. ENE has an internal pull-up resistor which switches automatically to non-emulation mode if ENE is not connected.
18	STOP	I	STOP Emulation control line; Driving a low level during the input phase freezes the real time relevant internal peripherals such as timers and interrupt controller.
19	OCF	O	Opcode Fetch Emulation control line; A high level driven by the controller during output phase indicates the beginning of a new instruction.
20	EXTIF	I	
21	CVBS	I	CVBS input for the acquisition circuit.
29	HS/SC	I/O	In slave mode Horizontal sync input or sandcastle input for display synchronization .In master mode HS or VCS output.
30	VS/P4.7	I	Vertical sync input/output for display synchronization. Can also be used as digital input P4.7. Furthermore this pin can be selected as an ODD/EVEN indicator alternatively to P3.0.
50	RST	O	A low level on this pin resets the device. An internal pull-up resistor permits power-on reset using only one external capacitor connected to Vss.
52	XTAL2	I	Output of the inverting oscillator amplifier.
53	XTAL1	O	Input of the inverting oscillator amplifier.
57	R	O	Red
58	G	O	Green
59	B	O	Blue
60	BLANK/COR	O	Contrast reduction and blanking.
64	WR	O	Control output; indicates a write access to the internal XRAM; can be used as a write strobe for writing data into an external data RAM by a MOVX instruction. This signal is also available as P4.3.
65	RD	I	Control output; indicates a read access to the internal XRAM; can be used for latching data from the data bus into an external data RAM by a MOVX instruction. This signal is also available as P4.2.
72	FL_PGM	I	All the pins prefix by Flax are test pins which must be left open.
80	FL_RST	O	All the pins prefix by Flax are test pins which must be left open.
87	ALE	O	Address Latch Enable.
88	PSEN	I	Program Store Enable is a control output signal which is usually connected to OE input line of the external program memory to enable the data output.
95	FL_CE	—	All the pins prefix by Flax are test pins which must be left open.
6, 73	VDD2.5	—	Supply voltage (2.5V).
22, 56	VDDA2.5	—	Supply voltage for analog components (2.5V).
8, 40, 75, 92	VDD3.3	—	Input/output (3.3V).
7, 39, 74, 91,	VSS	—	Ground (0V).
23, 55	VSSA	—	Ground for analog components.
28, 51, 54, 61, 63, 66	—	—	

■ RH-iX3371CEZZ (ASSY: IC2501)

- Multi Standard Sound Processor

- Block Diagram


SOUND IF1 67
SOUND IF2 69
ADC
DE-MODULATOR
PRE-PROCESSING
SOURCE SELECT
LOUD-SPEAKER SOUND PROCESSING
DAC
DACM_L 28
DACM_R 27
DACM_SUB 30
I2S1 7
I2S2 17
PRESCALE
25 DACA_L
24 DACA_R
DAC
HEADPHONE SOUND PROCESSING
33 SC2_OUT_R
34 SC2_OUT_L
36 SC1_OUT_R
37 SC1_OUT_L
SCART OUTPUT SELECT
DAC
DAC
PRESCALE
ADC
SCART DSP INPUT SELECT
MONO_IN 60
SC4_IN_R 48
SC4_IN_L 47
SC3_IN_R 51
SC3_IN_L 50
SC2_IN_R 54
SC2_IN_L 53
SC1_IN_R 57
SC1_IN_L 56

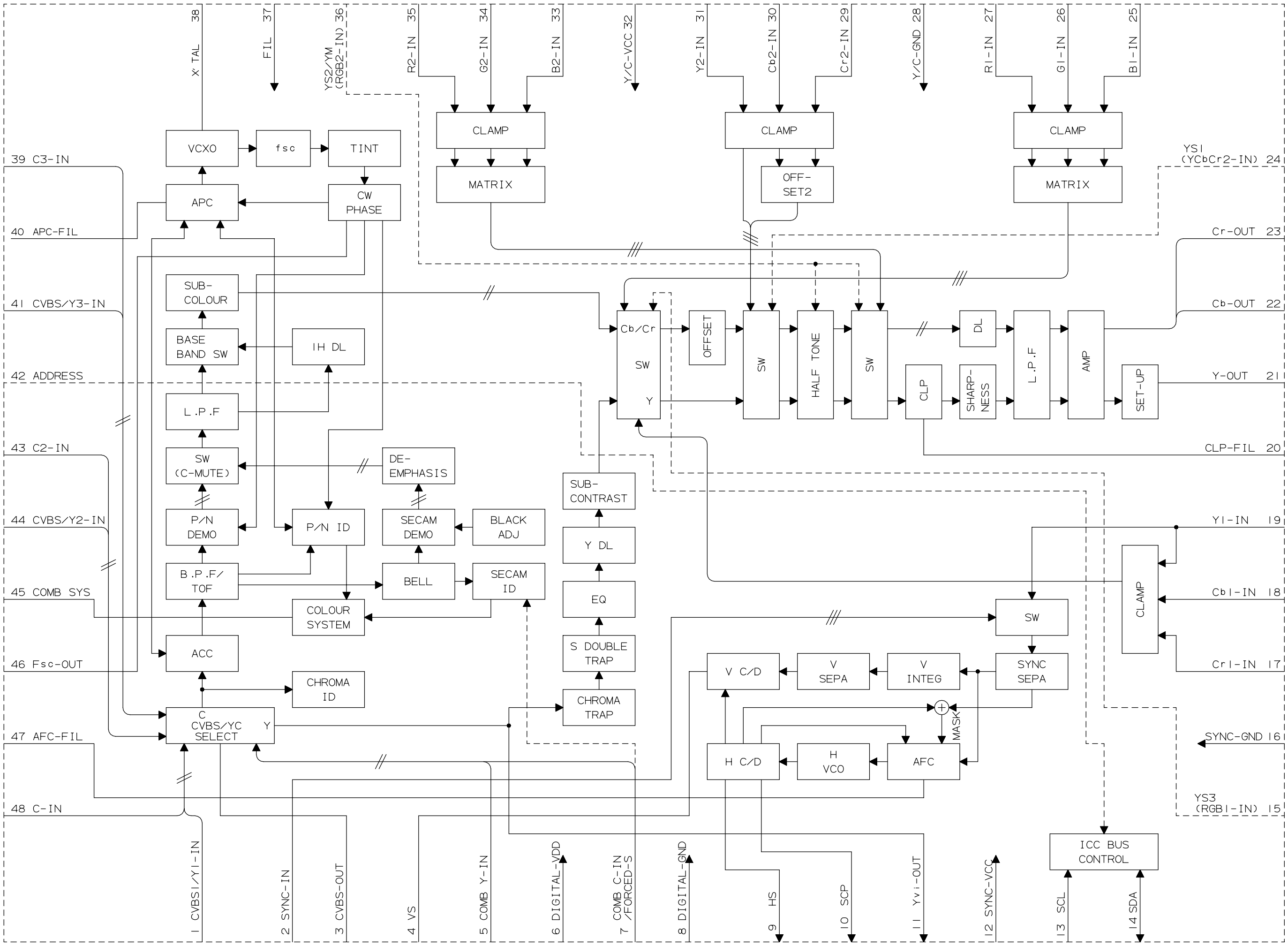
• Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	NC	—	Not connected
2	I2C_CL	I/O	I2C clock
3	I2C_DA	I/O	I2C data
4	I2S_CL	I/O	I2S clock
5	I2S_WS	I/O	I2S word strobe
6	I2S_DA_OUT	O	I2S data output
7	I2S_DA_IN1	I	I2S1 data input
8	ADR_DA	O	ADR data output
9	ADR_WS	O	ADR word strobe
10	ADR_CL	O	ADR clock
11, 12, 13	DVSUP	—	Digital power supply 5V
14, 15, 16	DVSS	—	Digital ground
17	I2S_DA_IN2	I	I2S2-data input
18, 19, 20	NC	—	Not connected
21	RESETQ	I	Power-on-reset
22, 23	NC	—	Not connected
24	DACA_R	O	Headphone out, right
25	DACA_L	O	Headphone out, left
26	VREF2	—	Reference ground 2
27	DACM_R	O	Loudspeaker out, right
28	DACM_L	O	Loudspeaker out, left
29	NC	—	Not connected
30	DACM_SUB	O	Subwoofer output
31, 32	NC	—	Not connected
33	SC2_OUT_R	O	SCART 2 output, right
34	SC2_OUT_L	O	SCART 2 output, left
35	VREF1	—	Reference ground 1
36	SC1_OUT_R	O	SCART 1 output, right
37	SC1_OUT_L	O	SCART 1 output, left
38	CAPL_A	—	Volume capacitor AUX
39	AHVSUP	—	Analog power supply 8V
40	CAPL_M	—	Volume capacitor MAIN
41, 42	NC	—	Not connected
43, 44	AHVSS	—	Analog ground
45	AGNDC	—	Analog reference voltage
46	NC	—	Not connected
47	SC4_IN_L	I	SCART 4 input, left
48	SC4_IN_R	I	SCART 4 input, right
49	ASG4	—	Analog Shield Ground 4
50	SC3_IN_L	I	SCART 3 input, left
51	SC3_IN_R	I	SCART 3 input, right
52	ASG2	—	Analog Shield Ground 2
53	SC2_IN_L	I	SCART 2 input, left
54	SC2_IN_R	I	SCART 2 input, right
55	ASG1	—	Analog Shield Ground 1
56	SC1_IN_L	I	SCART 1 input, left
57	SC1_IN_R	I	SCART 1 input, right
58	VREFTOP	—	Reference voltage IF A/D converter
59	NC	—	Not connected
60	MONO_IN	I	Mono input
61, 62	AVSS	—	Analog ground
63, 64	NC	—	Not connected
65, 66	AVSUP	—	Analog power supply 5V
67	ANA_IN1+	I	IF input 1
68	ANA_IN-	I	IF common(can be left vacant, only if IF input 1 is also not in use)
69	ANA_IN2+	I	IF input 2(can be left vacant, only if IF input 1 is also not in use)
70	TESTEN	I	Test pin
71	XTAL_IN	I	Crystal oscillator
72	XTAL_OUT	O	
73	TP	—	Test pin
74	AUD_CL_OUT	O	Audio clock output (18.432MHz)
75, 76	NC	—	Not connected
77	D_CTR_I/O_1	I/O	D_CTR_I/O_1
78	D_CTR_I/O_0	I/O	D_CTR_I/O_0
79	ADR_SEL	I	I2C Bus address select
80	STANDBYQ	I	Stand-by (low-active)

■ VHiTB1274AF-1Q (ASSY: IC801, IC802)

• VIDEO/CHROMA Processor

• Block Diagram


X' TAL 38
FIL 37
YS2/YM (RGB2-IN) 36
R2-IN 35
G2-IN 34
B2-IN 33
Y/C-VCC 32
Y2-IN 31
Cb2-IN 30
Cr2-IN 29
Y/C-GND 28
R1-IN 27
G1-IN 26
B1-IN 25
YS1 (YCbCr2-IN) 24
Cr-OUT 23
Cb-OUT 22
Y-OUT 21
CLP-FIL 20
Y1-IN 19
Cb1-IN 18
Cr1-IN 17
SYNC-GND 16
YS3 (RGB1-IN) 15
1 CVBS1/Y1-IN
2 SYNC-IN
3 CVBS-OUT
4 VS
5 COMB Y-IN
6 DIGITAL-VDD
7 COMB C-IN /FORCED-S
8 DIGITAL-GND
9 HS
10 SCP
11 Yvi-OUT
12 SYNC-VCC
13 SCL
14 SDA
39 C3-IN
40 APC-FIL
41 CVBS/Y3-IN
42 ADDRESS
43 C2-IN
44 CVBS/Y2-IN
45 COMB SYS
46 Fsc-OUT
47 AFC-FIL
48 C-IN
VCXO
fsc
TINT
APC
CW PHASE
SUB-COLOUR
BASE BAND SW
1H DL
L.P.F
SW (C-MUTE)
DE-EMPHASIS
P/N DEMO
P/N ID
SECAM DEMO
BLACK ADJ
B.P.F/ TOF
BELL
SECAM ID
COLOUR SYSTEM
ACC
CHROMA ID
C CVBS/YC SELECT Y
CLAMP
MATRIX
CLAMP
OFF-SET2
CLAMP
MATRIX
Cb/Cr SW Y
OFFSET
SW
HALF TONE
SW
DL
CLP
SHARP-NESS
L.P.F
AMP
SET-UP
SUB-CONTRAST
Y DL
EQ
S DOUBLE TRAP
CHROMA TRAP
CLAMP
SW
SYNC SEPA
V C/D
V SEPA
V INTEG
MASK
H C/D
H VCO
AFC
ICC BUS CONTROL

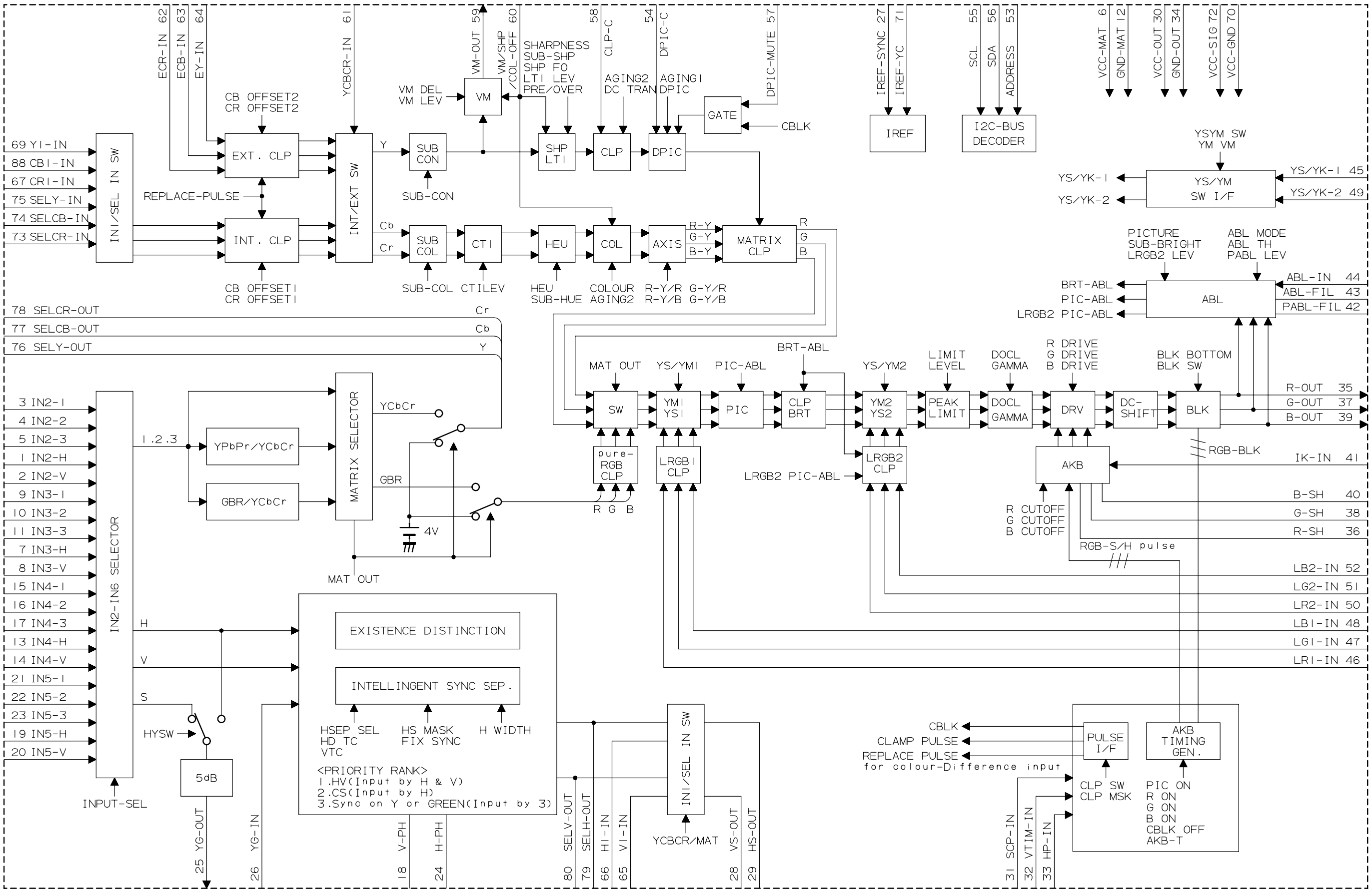
• Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	CVBS1/Y1-IN	I	CVBS1 or Y1-IN signal input.
2	SYNC-IN	I	Sync signal input.
3	CVBS-OUT	O	CVBS or Y+C signal output terminal.
4	VS	O	Counted-down vertical sync signal output.
5	COMB Y-IN	I	Input of Y signal coming from comb filter. Open when not used.
6	D-VDD	—	DDS/BUS/V-CD/H-CD block power supply. DC5V (standard).
7	COMB C-IN	I	Input of C signal coming from comb filter. Open when not used.
8	D-GND	—	DDS/BUS/V-CD/H-CD block grounding terminal.
9	HS	O	H-AFC-processed horizontal sync signal output.
10	SCP	O	Sand Castle Pulse output. Clamping pulse and horizontal blanking pulse outputs.
11	Yvi-IN	O	Output of sync input Y signal selected with Video-SW.
12	SYNC-VCC	—	SYNC/HVCO block power supply. DC5V (standard).
13	SCL	I	I2C BUS SCL terminal.
14	SDA	I/O	I2C BUS SDA terminal.
15	YS3 (RGB1-in)	I	Selector switch for main signal and RGB1 input signal. YS3 input effective only when “RGB1-ENB” is set at “enable” in bus setting.
16	SYNC-GND	—	SYNC/HVCO block grounding terminal.
17	Cr1-IN	I	Y1/Cb1/Cr1 signal input.
18	Cb1-IN	I	
19	Y1-IN	I	
20	CLP-FIL	—	Y clamp filter to be connected.
21	Y-OUT	O	Y/Cb/Cr signal output.
22	Cb-OUT	O	
23	Cr-OUT	O	
24	YS1 (YVbC2-IN)	I	Selector switch for main signal and Y/Cr/Cb2 input signal.
25	B1-IN	I	RGB1 signal input. This input is selected at YS3 or I2C BUS.
26	G1-IN	I	
27	R1-IN	I	
28	Y/C-GND	—	Y/C/Text/Video-SW/1HDL block grounding terminal.
29	Cr2-IN	I	Y2/Cb2/Cr2 signal input. This input is selected at YS1. Open when not used.
30	Cb2-IN	I	
31	Y2-IN	I	
32	Y/C-VCC	—	Y/C/Text/Video-SW/1HDL block power supply. DC5V (standard)
33	B2-IN	I	RGB2 signal input. This input is selected at YS2. Open when not used.
34	G2-IN	I	
35	R2-IN	I	
36	YS2/YM (RGB2-IN)	I	Selector switch for main signal and RGB2 input signal.
37	FIL.	—	Connected to Y/C-VCC terminal.
38	X’TAL	—	16.2MHz crystal oscillator to be connected.
39	C3-IN	I	Chroma signal input. Open when not used.
40	APC-FIL	—	Chroma demodulation filter to be connected.
41	CVBS3/Y3-IN	I	CVBS3 or Y3 signal input. Open when not used.
42	ADDRESS	I	Slave address to be preset.
43	C2-IN	I	Chroma signal input. Open when not used.
44	CVBS2/Y2-IN	I	CVBS2 or Y2 signal input. Open when not used.
45	COMB SYS	O	Received color system judgment result to be output from this pin and pin 46.
46	Fsc-OUT	O	Subcarrier output.
47	AFC-FIL	—	AFC detection filter to be connected.
48	C1-IN	I	Chroma signal input. Open when not used.

■ VHICXA2101Q-1 (ASSY: IC803)

• Baseband Video Signal Processor

• Block Diagram



ECR-IN 62
ECB-IN 63
EY-IN 64
YCBCR-IN 61
VM-OUT 59
VM/SHP /COL-OFF 60
SHARPNESS
SUB-SHP
SHP FO
LTI LEV
PRE/OVER
CLP-C 58
DPIC-C 54
AGING2
DC TRAN
AGING1
DPIC
DPIC-MUTE 57
IREF-SYNC 27
IREF-YC 71
SCL 55
SDA 56
ADDRESS 53
VCC-MAT 6
GND-MAT 12
VCC-OUT 30
GND-OUT 34
VCC-SIG 72
VCC-GND 70
CB OFFSET2
CR OFFSET2
VM DEL
VM LEV
VM
GATE
CBLK
IREF
I2C-BUS DECODER
69 YI-IN
88 CBI-IN
67 CRI-IN
75 SELY-IN
74 SELCB-IN
73 SELCR-IN
IN1/SEL IN SW
EXT. CLP
REPLACE-PULSE
INT. CLP
INT/EXT SW
Y
Cb
Cr
SUB CON
SUB-CON
SHP LTI
CLP
DPIC
YSYM SW
YM VM
YS/YK-1
YS/YK-2
YS/YM SW I/F
YS/YK-1 45
YS/YK-2 49
SUB COL
CTI
HEU
COL
AXIS
R-Y
G-Y
B-Y
MATRIX CLP
R
G
B
CB OFFSET1
CR OFFSET1
SUB-COL
CTILEV
HEU
SUB-HUE
COLOUR
AGING2
R-Y/R G-Y/R
R-Y/B G-Y/B
PICTURE
SUB-BRIGHT
LRGB2 LEV
ABL MODE
ABL TH
PABL LEV
BRT-ABL
PIC-ABL
LRGB2 PIC-ABL
ABL
ABL-IN 44
ABL-FIL 43
PABL-FIL 42
78 SELCR-OUT
77 SELCB-OUT
76 SELY-OUT
Cr
Cb
Y
BRT-ABL
MAT OUT
YS/YM1
PIC-ABL
YS/YM2
LIMIT LEVEL
DOCL GAMMA
R DRIVE
G DRIVE
B DRIVE
BLK BOTTOM
BLK SW
3 IN2-1
4 IN2-2
5 IN2-3
1 IN2-H
2 IN2-V
9 IN3-1
10 IN3-2
11 IN3-3
7 IN3-H
8 IN3-V
15 IN4-1
16 IN4-2
17 IN4-3
13 IN4-H
14 IN4-V
21 IN5-1
22 IN5-2
23 IN5-3
19 IN5-H
20 IN5-V
IN2-IN6 SELECTOR
1.2.3
YPbPr/YCbCr
GBR/YCbCr
MATRIX SELECTOR
YCbCr
GBR
4V
MAT OUT
SW
YM1 YS1
PIC
CLP BRT
YM2 YS2
PEAK LIMIT
DOCL GAMMA
DRV
DC-SHIFT
BLK
R-OUT 35
G-OUT 37
B-OUT 39
pure-RGB CLP
LRGB1 CLP
LRGB2 CLP
LRGB2 PIC-ABL
R G B
RGB-BLK
AKB
IK-IN 41
B-SH 40
G-SH 38
R-SH 36
R CUTOFF
G CUTOFF
B CUTOFF
RGB-S/H pulse
LB2-IN 52
LG2-IN 51
LR2-IN 50
LB1-IN 48
LG1-IN 47
LR1-IN 46
H
V
S
HYSW
5dB
INPUT-SEL
EXISTENCE DISTINCTION
INTELLINGENT SYNC SEP.
HSEP SEL
HD TC
VTC
HS MASK
FIX SYNC
H WIDTH
<PRIORITY RANK>
1.HV(Input by H & V)
2.CS(Input by H)
3.Sync on Y or GREEN(Input by 3)
IN1/SEL IN SW
YCBCR/MAT
CBLK
CLAMP PULSE
REPLACE PULSE
for colour-Difference input
PULSE I/F
AKB TIMING GEN.
CLP SW
CLP MSK
PIC ON
R ON
G ON
B ON
CBLK OFF
AKB-T
25 YG-OUT
26 YG-IN
18 V-PH
24 H-PH
80 SELV-OUT
79 SELH-OUT
66 HI-IN
65 VI-IN
28 VS-OUT
29 HS-OUT
31 SCP-IN
32 VTIM-IN
33 HP-IN

• Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	IN2-H	I	IN2-H : Independent horizontal sync signal input terminal.
2	IN2-V	I	IN2-V : Independent vertical sync signal input terminal.
3	IN2-1	I	IN2 line signal input terminal.
4	IN2-2	I	
5	IN2-3	I	
6	Vcc-MAT	—	Selector line and sync processor line power terminal.
7	IN3-H	I	IN3-H : Independent horizontal sync signal input terminal.
8	IN3-V	I	IN3-V : Independent vertical sync signal input terminal.
9	IN3-1	I	IN3 line signal input terminal.
10	IN3-2	I	
11	IN3-3	I	
12	GND-MAT	—	Selector line and sync processor line grounding terminal.
13	IN4-H	I	IN4-H : Independent horizontal sync signal input terminal.
14	IN4-V	I	IN4-V : Independent vertical sync signal input terminal.
15	IN4-1	I	IN4 line signal input terminal.
16	IN4-2	I	
17	IN4-3	I	

• Pin Function

Pin No.	Pin Name	I/O	Pin Function
18	V-PH		Vsync peak holding capacitor connection terminal.
19	IN5-H	I	IN5-H : Independent horizontal sync signal input terminal.
20	IN5-V	I	IN5-V : Independent vertical sync signal input terminal.
21	IN5-1	I	IN5 line signal input terminal.
22	IN5-2	I	
23	IN5-3	I	
24	H-PH		Hsync peak holding capacitor connection terminal.
25	YG-OUT	O	Sync separation composite video signal output terminal.
26	YG-IN	I	Sync separation composite video signal input terminal.
27	IREF-SYNC		Reference current setting terminal (about 4.6V)
28	VS-OUT	O	Used to select between IN1-line HV and IN2/IN5-line selector output HV by I2C BUS “YCBCR/MAT” and feed out the signal in positive polarity.
29	HS-OUT	O	
30	Vcc-OUT	O	RGB line power terminal.
31	SCP-IN	I	Sand-Castle-Pulse input terminal.
32	VTIM-IN	I	V timing pulse input terminal.
33	HP-IN	I	H pulse input terminal.
34	GND-OUT	O	RGB line grounding terminal.
35	R-OUT	O	RGB signal output terminal. Output to be made at 2.6Vp-p with 100IRE white input.
37	G-OUT	O	
39	B-OUT	O	
36	R-SH		RGB AKB sample-and-hold terminal.
38	G-SH		
40	B-SH		
41	IK-IN	I	Reference pulse to return to this terminal.
42	PABL-FIL		Peak ABL peak holding terminal.
43	ABL-FIL		Used to form LPF for ABL control signal.
44	ABL-IN		ABL control signal input terminal.
45	YS/YM-1		YM1/YS1 control input terminal. Input level to be of 3 values. VM turning-off function also available when YM and YS have reached their specified values.
46	LR1-IN	I	Analog RGB1 signal input terminal.
47	LG1-IN	I	
48	LB1-IN	I	
49	YS/YM-2	I	YM2/YS2 control input terminal. Input level to be of 3 values. VM turning-off function also available when YM and YS have reached their specified values.
50	LR2-IN	I	Analog RGB2 signal input terminal.
51	LG2-IN	I	
52	LB2-IN	I	
53	ADDRESS	I	I2C BUS slave address setting terminal.
54	DPIC-C	I	Capacitor to be connected for grounding in order to detect the black signal in dynamic picture (black stretching).
55	SCL	I	I2C BUS standard SCL (Serial Clock) input terminal.
56	SDA	I	I2C BUS standard SDA (Serial Data) input terminal.
57	DPIC-MUTE		Used to control MUTE of dynamic picture (black stretching).
58	CLP-C	O	Y line clamp capacitor connection terminal.
59	VM-OUT		VM output terminal to feed out Y signal’s differential waveform in positive polarity.
60	VM/SHP/COL-OFF	I	Used to turn off VMÅASHARPNESS and COLOUR. Input level to be 3 values
61	YCBCR-SW	I	Used to switch between INT and EXT SW input signals. External input terminal to be selected at High level.
62	ECR-IN	I	External Y, Cb, and Cr input terminals.
63	ECB-IN	I	
64	EY-IN	I	
65	V1-IN	I	IN1-line HV input terminal. Positive-polarity input.
66	H1-IN	I	
67	CR1-IN	I	IN1-line Y, Cb, and Cr input terminals.
68	CB1-IN	I	
69	Y1-IN	—	
70	GND-SIG		Y color difference signal processor grounding terminal.
71	IREF-YC	—	Reference current setting terminal (mainly for Y color difference signal processing line).
72	Vcc-SIG	I	Y color difference signal processor power terminal.
73	SELCR-IN	I	Used to feed in selector outputs Y, Cb, and Cr through clamp capacitor.
74	SELCB-IN	I	
75	SELY-IN	O	
76	SELY-OUT	O	IN2- thru IN5-line selector output terminals. Used to feed out Y-, Cb-, and Cr-converted signals.
77	SELCB-OUT	O	
78	SELCR-OUT	O	
79	SELH-OUT	O	IN2 thru IN5 selector HV output terminals.
80	SELV-OUT		

■ RH-iX3566CEZZ (ASSY: IC1901)

● PLD (Programmable Logic Device)

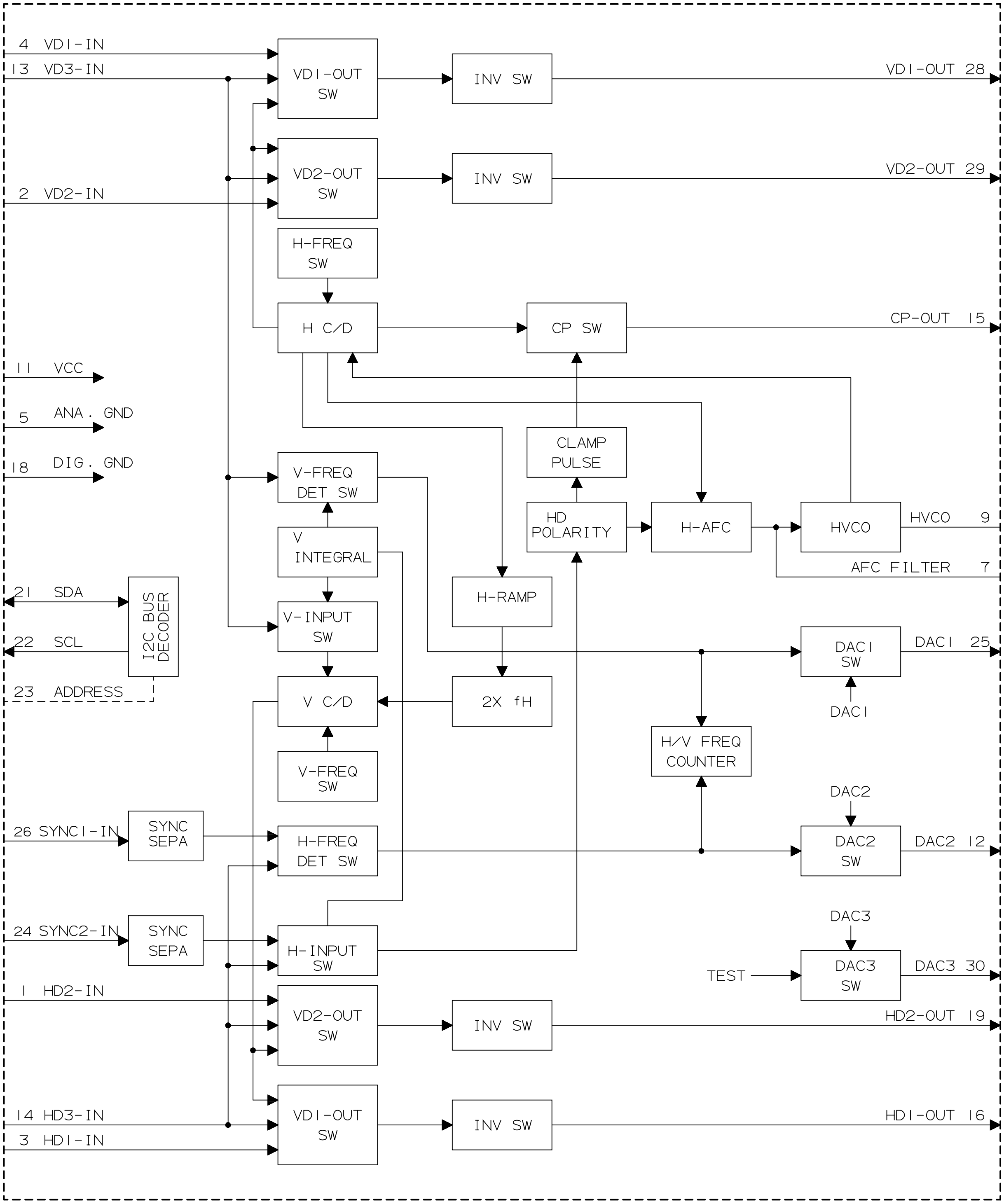
● Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	TDI	I/O	
2	VD1	I/O	
3	SP_HD	I/O	
4	GND	—	Ground
5	SP_VD	I/O	
6	SP_CP	I/O	
7	TMS	I/O	
8	HD3	I/O	
9	VCC	—	Power supply (3.3V)
10	VD3	I/O	
11	GND	—	Ground
12	MODEA	I/O	
13	MODEB	I/O	
14	MODEC	I/O	
15	SELA	I/O	
16	GND	—	Ground
17	VCC	—	Power supply (3.3V)
18	SELO	I/O	
19	HD2	I/O	
20	VD2	I/O	
21	HDS	I/O	
22	VDS	I/O	
23	US_VD	I/O	
24	GND	—	Ground
25	US_HD	I/O	
26	TCK	I/O	
27	TEXT_VD	I/O	
28	TEXT_HD	I/O	
29	VCC	—	Power supply (3.3V)
30	GND	—	Ground
31	PL_BLK	I/O	
32	TDO	I/O	
33	PLCP	I/O	
34	PL_HD	I/O	
35	PL_VD	I/O	
36	GND	—	Ground
37	GCLK1	I	External clock input. 16MHz
38	OE1	I	
39	GCLRn	I	
40	OE2/GCLK2	I	
41	VCC	—	Power supply (3.3V)
42	CNR_CP	I/O	
43	CNR_HBLK	I/O	
44	HD1	I/O	

■ VHiTA1318AF-1 (ASSY: IC604)

- **Sync Processor**

- **Block Diagram**


4 VD1-IN
13 VD3-IN
VD1-OUT SW
INV SW
VD1-OUT 28
VD2-OUT SW
INV SW
VD2-OUT 29
2 VD2-IN
H-FREQ SW
H C/D
CP SW
CP-OUT 15
11 VCC
5 ANA. GND
18 DIG. GND
CLAMP PULSE
V-FREQ DET SW
HD POLARITY
H-AFC
HVCO
HVCO 9
V INTEGRAL
AFC FILTER 7
21 SDA
I2C BUS DECODER
H-RAMP
V-INPUT SW
DAC1 SW
DAC1 25
22 SCL
DAC1
23 ADDRESS
V C/D
2X fH
H/V FREQ COUNTER
V-FREQ SW
DAC2
26 SYNC1-IN
SYNC SEPA
H-FREQ DET SW
DAC2 SW
DAC2 12
DAC3
24 SYNC2-IN
SYNC SEPA
H-INPUT SW
TEST
DAC3 SW
DAC3 30
1 HD2-IN
VD2-OUT SW
INV SW
HD2-OUT 19
14 HD3-IN
3 HD1-IN
VD1-OUT SW
INV SW
HD1-OUT 16

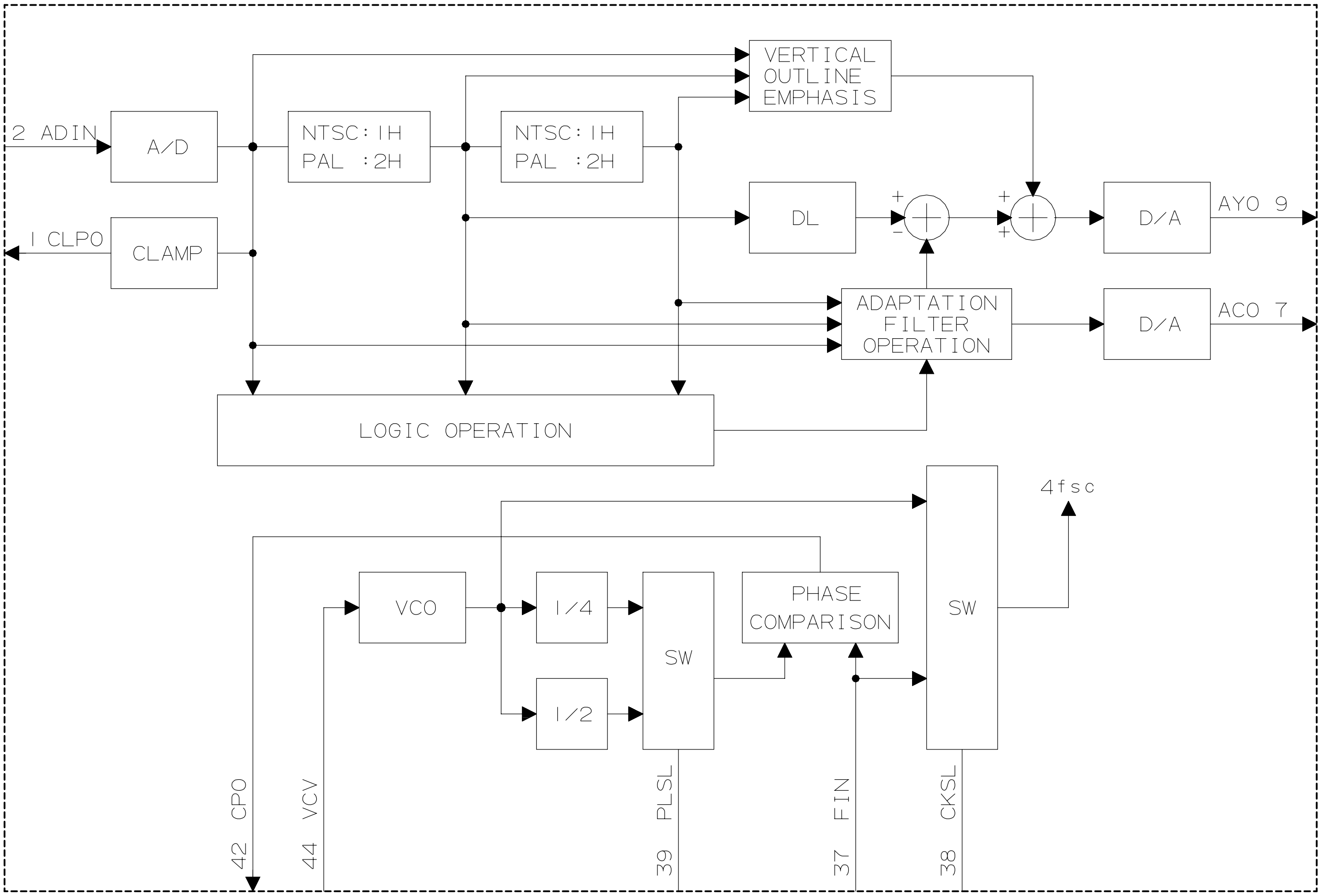
● Pin Function

Pin No.	Pin Name	I/O	Pin Function
3	HD1-IN	I	Input the horizontal synchronizing signal. It’s polarity corresponds to both positive and negative. Input from this pin does not be synchronized internally.
1	HD2-IN	I	
11	HD3-IN	I	
4	VD1-IN	I	Input the horizontal vertical signal. It’s polarity corresponds to both positive and negative. Input from this pin does not be synchronized internally.
2	VD2-IN	I	
10	VD3-IN	I	
5	ANALOG GND	—	The GND pin for analog circuit block.
6	AFC FILTER	—	Connect the filter for horizontal AFC. The frequency of the horizontal output is varied by the volyage at this pin.
7	HVCO	—	Connect the ceramic oscillator for horizontal oscillator.
8	VCC	—	The VCC pin. (9.0V)
20	DAC1 (V. SYNC output)	O	DAC1 output pin. When TEST mode, VD or vertical sync signal to frequency counter circuit is output.
9	DAC2 (H/C. SYNC output)	O	DAC2 output pin. When TEST mode, HD or composite sync signal to frequency counter circuit is output.
24	DAC3	O	DAC3 output pin. This pin is open-collector system. When TEST mode, test pilses for the shipping is output.
12	CP-OUT	O	Clamp pulse output pin. CP mode at synchronization circuit is output.
13	HD1-OUT	O	HD output pin. This pin is open-collector system. HD1/HD2 does not be synchronizing and they are output from this pin. It’s polarity is switched by BUS write function.
15	HD2-OUT	O	
14	DIGITAL GND	—	The GND pin for logic circuit block.
16	SDA	I/O	The SDA pin for I2C BUS.
17	SCL	I	The SCL pin for I2C BUS.
18	ADDRESS SW	I	Slave address switch.
21	SYNC1-IN	I	Input a signal to separate sync signal.
19	SYNC2-IN	I	
22	VD1-OUT	O	VD output pin. This pin is open-collector system. VD1/VD2 does not be synchronizing and they are output from this pin. It’s polarity is switched by BUS write function.
23	VD2-OUT	O	

■ VHiCXD2064Q-1 (ASSY: IC402, IC405)

- **Digital Comb Filter**

- **Block Diagram**


VERTICAL OUTLINE EMPHASIS
2 ADIN
A/D
NTSC:1H
PAL :2H
NTSC:1H
PAL :2H
DL
+
−
+
+
D/A
AYO 9
1 CLPO
CLAMP
ADAPTATION FILTER OPERATION
D/A
ACO 7
LOGIC OPERATION
4fsc
VCO
1/4
1/2
SW
PHASE COMPARISON
SW
42 CPO
44 VCV
39 PLSL
37 FIN
38 CKSL

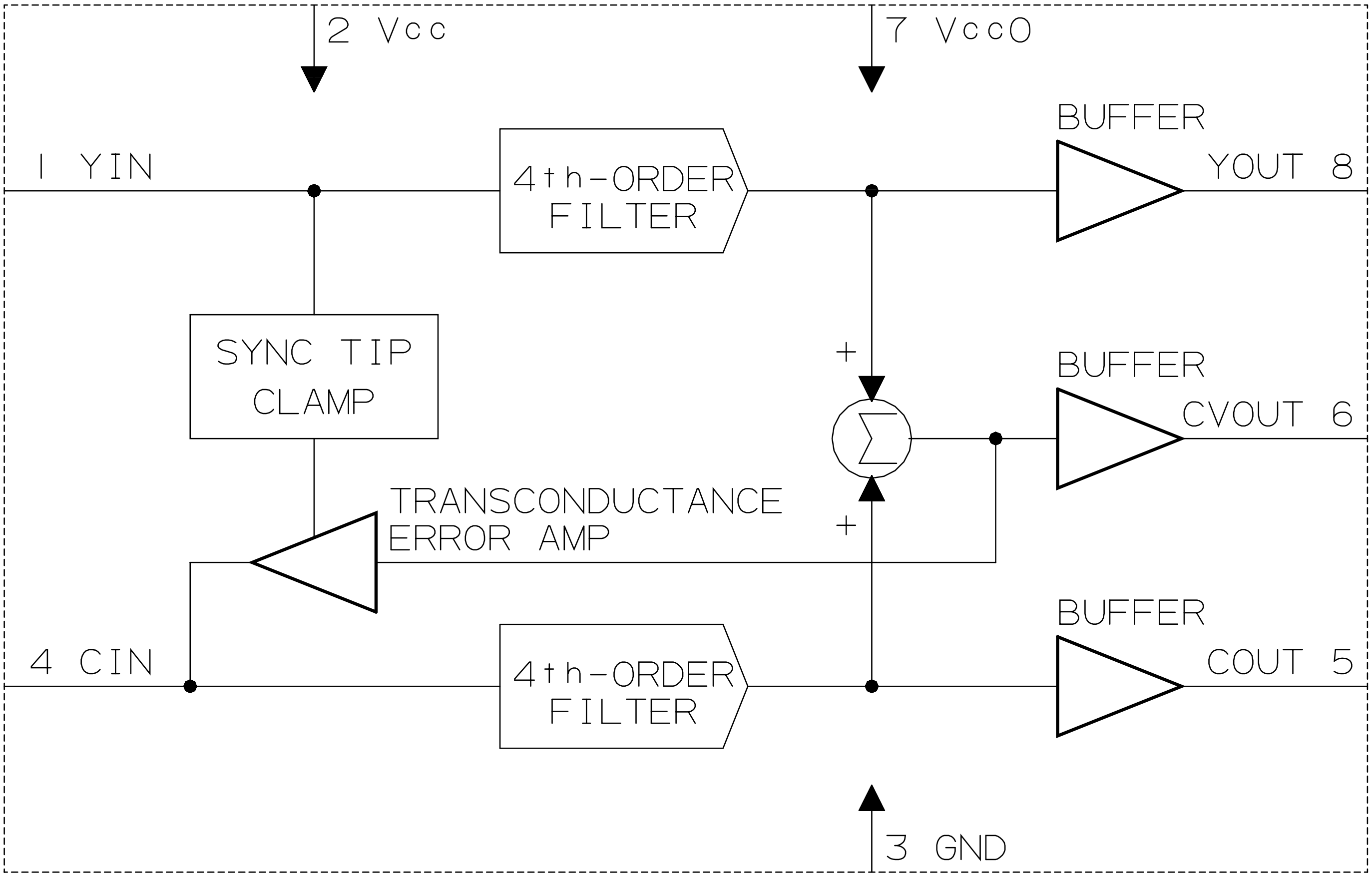
● Pin Function

Pin No.	Pin Name	I/O	Pin Function
1	CLPO	O	Built-in clamp circuit current output terminal. To be connected to ADIN when built-in clamp is used.
2	ADIN	I	Comb filter analog input (A/D converter) terminal.
3	RB	O	A/D converter reference bottom voltage. (standard 0.52V)
4	ADVS	—	A/D converter analog grounding terminal.
5	ADVD	—	A/D converter analog power terminal. (5.0V)
6	RT	O	A/D converter reference top voltage. (standard 2.6V)
7	ACO	O	Analog chroma signal output terminal. Resistance to be added between this pin and GND for obtaining the output.
8	DAVD	—	D/A converter analog power terminal. (5.0V)
9	AYO	O	Analog luminance signal output terminal. Resistance to be added between this pin and GND for obtaining the output.
10	DAVS	—	D/A converter analog grounding terminal.
11	VG	O	D/A converter terminal.
12	VRF	I	Y,C ch D/A converter output full-scale setting terminal.
13	IRF	O	x16 resistance to be connected against D/A converter output resistance “R”.
14	VB	O	D/A converter terminal.
15, 28, 32, 33, 35,	TEST	I	Test terminal. (fixed at Low)
16, 27, 34	DVDD	—	Digital power terminal. (5.0V)
18, 29, 36	DVSS	—	Digital grounding terminal.
17	MOD2	I	Y/C separation mode setting terminal. MODE2 MOD1 L L Most suitable process mode H L BPF separation mode
19	MOD1	I	
20	VEH3	I	Vertical contour enhancement setting terminal.
21	VEH2	I	
22	VEH1	I	
23	PNR	I	L: NTSC H: PAL, M-PAL, N-PAL
24	DTR	I	Fixed at Low.
25	NTPL2	I	NTSC/PAL/M-PAL/N-PAL mode setting terminal. NTPL2 NTPL1 L L NTSC H H PAL H L M-PAL H H N-PAL
26	NTPL1	I	
30	APCN	I	Horizontal aperture correction circuit setting terminal. L: off, H: on
31	TRAP	I	Trap filter circuit setting terminal. L: off, H: on
37	FIN	I	Clock input terminal.
38	CKSL	I	PLL control terminal. VCO oscillator output’s 4fsc clock to be fed in.
39	PLSL	I	FIN input fsc to be selected.
40	MCKO	O	Clock (4fsc) output terminal.
41	ADCK	I	A/D converter clock input terminal. To be connected to MCKO.
42	CPO	O	PLL phase comparator output terminal.
43	PLVS	—	PLL analog grounding terminal.
44	VCV	I	VCO control voltage input terminal.
45	PLVD	—	PLL analog power terminal. (5.0V)
46	CLVD	—	Clamp D/A converter analog power terminal. (5.0V)
47	CLPEN	I	Clamp circuit enable terminal.
48	CLVS	—	Clamp D/A converter analog grounding terminal.

■ VHiML6428C1-1 (ASSY: IC404, IC407)

- **Low Pass Video Filter IC**

- **Block Diagram**


2 Vcc
7 VccO
BUFFER
1 YIN
4th-ORDER FILTER
YOUT 8
SYNC TIP CLAMP
+
BUFFER
CVOUT 6
TRANSCONDUCTANCE ERROR AMP
+
BUFFER
4 CIN
4th-ORDER FILTER
COUT 5
3 GND

- **Pin Function**

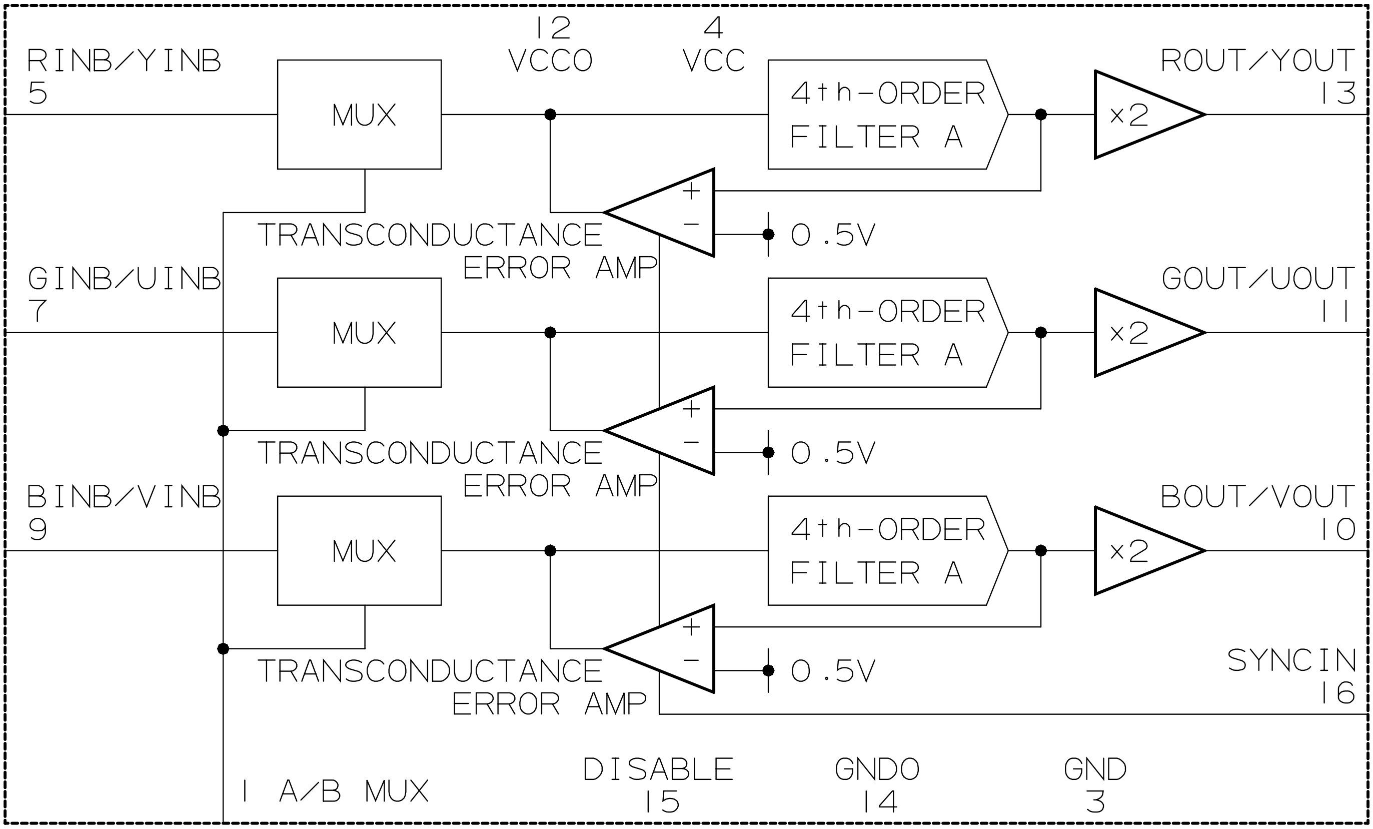
Pin No.	Pin Name	I/O	Pin Function
1	YIN	I	Luminance input
2	VCC	—	5V supply for filters and references.
3	GND	—	Ground
4	CIN	I	Chrominance input
5	YOUT	O	Chrominance output
6	VCCO	—	Composite video output
7	CVOUT	O	5V supply for output stages
8	COUT	O	Luminance output

■ RH-iX3473CEZZ (ASSY: IC804, 810)
■ RH-iX3474CEZZ (ASSY: IC811)

- **Monolithic Video Filter**

* RH-iX3473CEZZ is 6.7MHz at Cut-off frequency.
* RH-iX3474CEZZ is 30MHz at Cut-off frequency.

- **Block Diagram**


RINB/YINB
5
12
VCCO
4
VCC
MUX
4th-ORDER
FILTER A
x2
ROUT/YOUT
13
TRANSCONDUCTANCE
ERROR AMP
+
−
0.5V
GINB/UINB
7
MUX
4th-ORDER
FILTER A
x2
GOUT/UOUT
11
TRANSCONDUCTANCE
ERROR AMP
0.5V
BINB/VINB
9
MUX
4th-ORDER
FILTER A
x2
BOUT/VOUT
10
TRANSCONDUCTANCE
ERROR AMP
0.5V
SYNCIN
16
1 A/B MUX
DISABLE
15
GNDO
14
GND
3

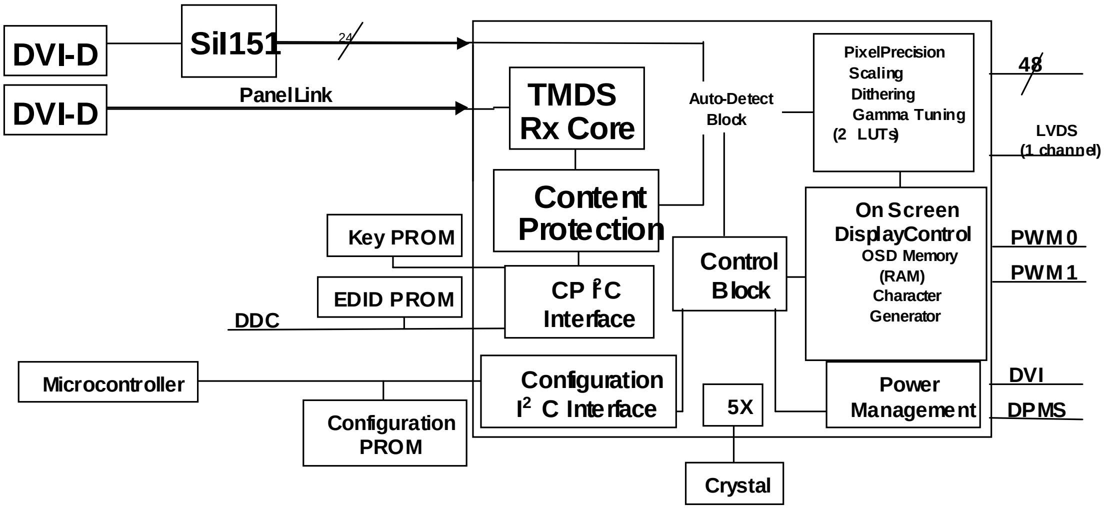
- **Pin Function**

Pin No.	Pin Name	I/O	Pin Function
1	A/B MUX	—	Logic input pin to select between Bank <A> and Bank <B> video inputs. This pin is internally pulled high.
2	RINA/YINA	I	Unfiltered analog R- or Y-channel input for Bank <A>, Sync must be provided at SYNC IN pin.
3	GND	—	Analog ground.
4	VCC	—	Analog 5V supply.
5	RINB/YINB	I	Unfiltered analog R or Y-channel input for Bank <B>, Sync must be provided at SYNC IN pin.
6	GINA/UINA	I	Unfiltered analog G or U-channel input for Bank <A>, Sync must be provided at SYNC IN pin.
7	GINB/UINB	I	Unfiltered analog G or U-channel input for Bank <B>, Sync must be provided at SYNC IN pin.
8	BINA/VINA	I	Unfiltered analog B or V-channel input for Bank <A>, Sync must be provided at SYNC IN pin.
9	BINB/VINB	I	Unfiltered analog B or V-channel input for Bank <B>, Sync must be provided at SYNC IN pin.
10	BOUT	O	Analog B or V-channel output.
11	GOUT	O	Analog G or U-channel output.
12	VCCO	—	5V power supply for output buffers.
13	ROUT	O	Analog R or Y-channel output.
14	GNDO	—	Analog ground.
15	DISABLE	I	Disable/Enable pin. Turns the chip off when logic high. Internally pulled low.
16	SYNC IN	I	Input for an external H-sync logic signal for filter channels. CMOS level input. Active High.

■ VHiSii861++-1Q (IC2201)

• TMDS Receiver

• Block Diagram


DVI-D
DVI-D
SiI151
24
PanelLink
TMDS
Rx Core
Auto-Detect
Block
PixelPrecision
Scaling
Dithering
Gamma Tuning
(2 LUTs)
48
LVDS
(1 channel)
Content
Protection
Key PROM
EDID PROM
DDC
CP I^{2}C
Interface
Control
Block
On Screen
DisplayControl
OSD Memory
(RAM)
Character
Generator
PWM0
PWM1
Microcontroller
Configuration
I^2 C Interface
5X
Power
Management
DVI
DPMS
Configuration
PROM
Crystal

• Pin Function

Pin Name	Pin No.	Type	Description
QE[23-0]	86-79, 74-73, 33-28, 23-16	Out	Output Even Data[23:0] corresponds to 24-bit pixel data for 1-pixel/clock in mode and to the first 24-bit pixel data for 2-pixels/clock mode. Output dat synchronized with output data clock (ODCK). See section 21 on page 38 for the output data mapping of these pins.
QO[23:0]	158, 145-139, 132-125 122-117, 99-98	Out	Output Odd Data[23:0] corresponds to the second 24-bit pixel data for 2-pixels/clock mode. During 1-pixel/clock mode, these outputs are forced LOW. Output data is synchronized with output data clock (ODCK). See section 21 on page 38 for the output data mapping of these pins.
ODCK	93	Out	Output Data Clock.
ODCK_D	102	Out	Output Data Clock Delayed. Controlled by register VSD1[3:2] on page 82.
DE	95	Out	Output Data Enable. This signal qualifies the active data area. A HIGH level signifies valid display time. A LOW level signifies a valid blanking time.
HSYNC VSYNC	97 96	Out Out	Horizontal Sync control signal. Vertical Sync control signal.
CTL1 / IVS CTL2 / IHS CTL3 / IDE TPCLK	89 90 91 105	Out Out Out Out	Control signals from the transmitter and internal XCLK or input HSYNC, input VSYNC, input DE and input CLOCK (ICLK). RMDT[7] determines the function of these pins. See section 15 for RMDT[7] control information. CTL 3 is also used as a strapping option to enable/disable the 5x clock multiplier, high=bypass and low=enable 5x.
TX_0- TX_0+ TX_1- TX_1+ TX_2- TX_2+ TX_3- TX_3+	182 181 180 179 176 175 172 171	Analog	LVDS output data pairs.
TX_CK- TX_CK+	174 173	Analog	LVDS output clock pair.
SCL	165	I/O	I^{2}C Clock. This pin is open drain.
SDA	166	I/O	I^{2}C Data. This pin is open drain.
MSTATE	164	Out	I^{2}C Bus Master. The pin goes HIGH upon RESET LOW and goes LOW after the SiI861 has finished mastering the I^{2}C bus.
KEY_SCL	150	I/O	Cipher Key I^{2}C Clock. This pin is open drain.
KEY_SDA	149	I/O	Cipher Key I^{2}C Data. This pin is open drain.
DDC_SCL	152	I/O	DDC/Authentication I^{2}C Clock. This pin is open drain.
DDC_SDA	151	I/O	DDC/Authentication I^{2}C Data. This pin is open drain.
PD#	4	In	Power Down (active LOW). A HIGH level (3.3V) indicates normal operation and a LOW level indicates power down mode. Register FDIV[7] determines the power down mode entered: 1 = Power down, 0 = Pull down The I^{2}C register values are retained in Power Down mode but the I^{2}C interface is disabled.
ON_OFF / L_SYNC#	7	Out	On_Off / Loss of Sync. In non-DVI mode, a HIGH level indicates that the link from the transmitter to the SiI861 is active. A LOW level indicates that the link from the transmitter to the SiI861 is not active.

• Pin Function

Pin Name	Pin No.	Type	Description
			In DVI mode, a HIGH level indicates that the link from the transmitter to the SiI861 is active. A LOW level indicates a “Loss of Sync” condition between the transmitter and the SiI861. Please refer to the Section 8. PD does not affect this output when operating in pull-down mode
STDBY/ PWM0	5	Out	Standby. In non-DVI mode, a HIGH level indicates a standby condition. A LOW level indicates a normal active condition. In DVI mode, this pin is PWM0. Please refer to the Section 8. PD does not affect this output when operating in pull-down mode
SUSPD / O_RNG	6	Out	Suspend / Out of Range. In non-DVI mode, a HIGH level indicates a suspend condition. A LOW level indicates a normal active condition. In DVI mode, a HIGH level indicates an “Out of Range” condition. A LOW level indicates normal operation. Please refer to Section 7. PD does not affect this output.
PWM0 PWM1	107 106	Out	Pulse Width Modulation. These pins can be used as the pulse width modulation signal to control the backlight brightness or volume. Please refer to the Section 13 for more information. PD# does not affect this output when in pull-down mode
BUT0+ BUT0- BUT1+ BUT1-	108 109 110 111	In	These pins are used to monitor pushbuttons, which can directly control the PWM0 and PWM1 outputs. BUT0+/- are used for PWM0 control, and BUT1+/- are used for PWM1 control. These pins have internal 100K pull-down resistors.
XCLK	161	In	External clock input. See Section 6 External Clock Rate and Input Frame Rate
XTAL1	154	In	External crystal input to the inverting oscillator amplifier or clock oscillator input. This sets the output clock frequency to the panel, which will equal this frequency or be 5 times this frequency if the clock multiplier is used. This pin is 5V tolerant. See Section 6 External Clock Rate and Input Frame Rate.
XTAL2	155	Out	Output from inverting oscillator amplifier when using on-chip crystal oscillator. No-connect when using external clock.
RESET#	3	In R	eset (active LOW). When this pin is pulled LOW, the SiI861 will enter a reset state. When RESET goes HIGH, the SiI861 begins loading the internal I2C registers automatically from the external configuration EEPROM.
RX0+ RX0- RX1+ RX1- RX2+ RX2-	196 197 191 192 186 187	Analog Analog Analog Analog Analog Analog	TMDS TM Low Voltage Differential Signal input data pairs. Maximum input pixel clock on TMDS input is 112 MHz.
RXC+ RXC-	199 200	Analog Analog	TMDS TM Low Voltage Differential Signal input clock pairs.
X_RES	202	Analog	Impedance Matching Control. Resistor value should be ten times the characteristic single-ended impedance of the cable. In the common case of 50 transmission line, an external 400 resistor must be connected between AVCC and this pin.
TMDS_SEL	112	In	Selects PanelLink or Parallel as input source. Default active high: High = PanelLink, Low = Parallel. This pin has an internal 100K pull-up resistor. Polarity control can be changed in register ADD1, see page 94 for more detail.
PD[23-0]	37-60	In	Corresponds to 24-bit pixel data for 1-pixel/clock input mode. These pins have internal 100K pull-down resistors.
PCLK	64	In	Input data clock for parallel input. This pin has an internal 100K pull-down resistor.
PDE	61	In	Input Data Enable for parallel input. This signal qualifies the active data area. A HIGH level signifies valid display time. A LOW level signifies a valid blanking time. This pin has an internal 100K pull-down resistor.
PHS PVS	62 63	In In	Horizontal Sync control signal input on parallel input. Vertical Sync control signal input on parallel input. These pins have internal 100K pull-down resistors.
ADE	70	Out	An external DE signal is generated based on the parallel input IN_HSYNC and IN_VSYNC pins. If using an external component that does not generate DE, such as a TV decoder, this signal should be connected externally to IN_DE. The timing of this signal is controlled by the “DE Generation” registers explained on page 94.
TSTMD	8	In	For TEST purposes only. Should be tied LOW.
TSTEN	9	In	For TEST purposes only. Should be tied LOW.
DVCC	2,11,27, 75,87, 104,113, 137, 147,163, 208	Power	Digital Core VCC, must be set to 2.5V.
GND	1,10,26, 76,88, 103,114, 138, 148,153,	Ground	Digital GND.

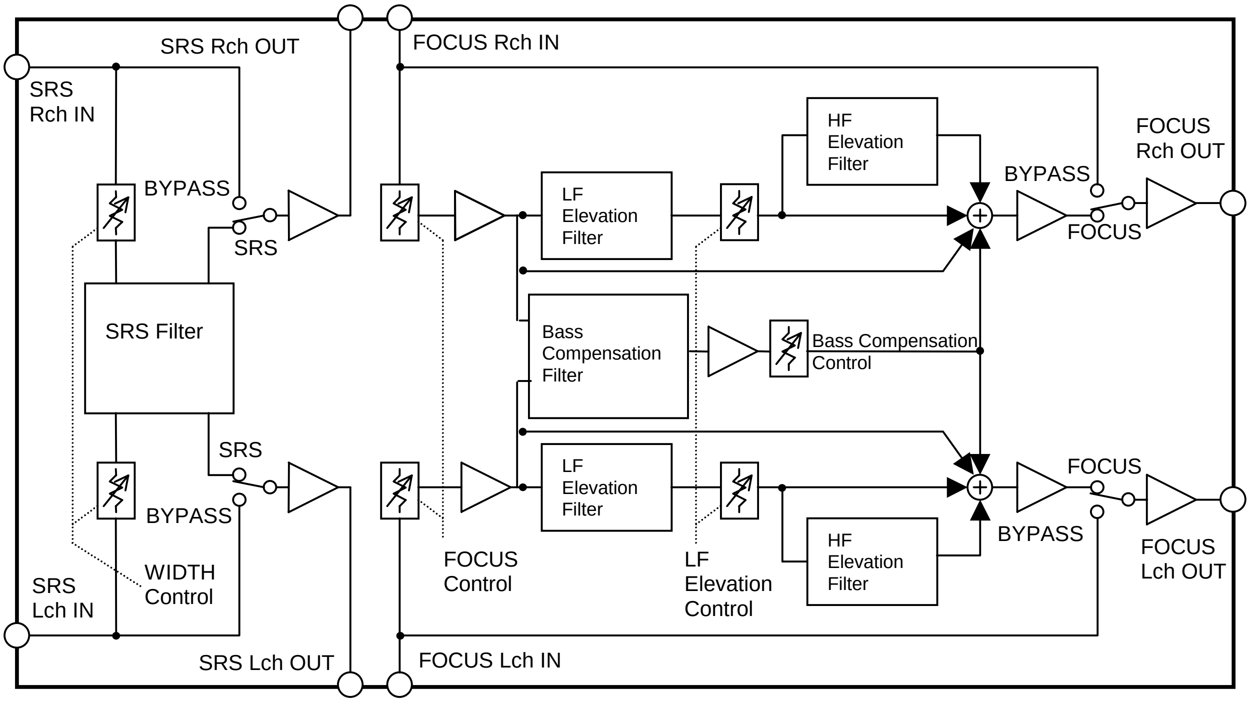
● Pin Function

Pin Name	Pin No.	Type	Description
	156, 160,162, 207		
OVCC	12,24, 78,92, 123,135, 159	Power	Output Buffers VCC, must be set to 3.3V.
OGND	13,25, 65,69, 77,94, 101,124, 136, 157	Ground	Output Buffer GND.
AVDD	170, 178, 194	Power	Analog VCC, must be set to 3.3V.
AVCC	188, 190, 201	Power	Analog VCC, must be set to 3.3V.
AGND	169, 177, 185, 189, 193, 195, 198	Ground	Analog GND.
PVCC	168, 183, 203	Power	PLL Analog VCC, must be set to 3.3V.
PGND	167, 184, 204	Ground	PLL Analog GND.

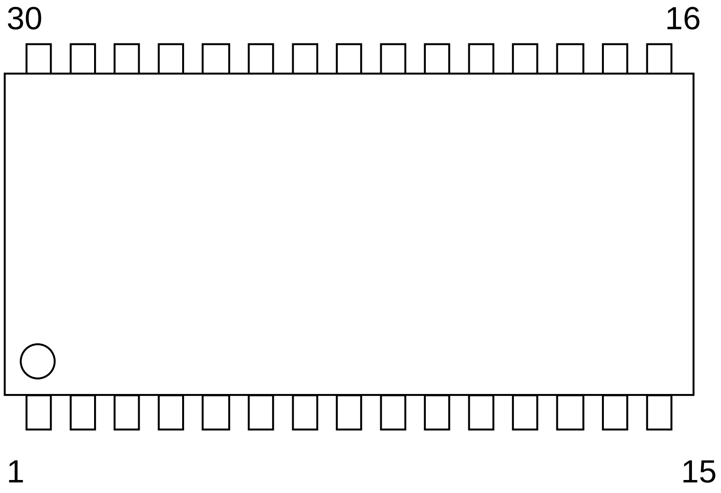
■ VHiNJM2193M-1Y (IC3802)

- Focus & SRS Audio Processor

- **Block Diagram**


SRS Rch OUT
FOCUS Rch IN
SRS
Rch IN
BYPASS
SRS
SRS Filter
HF
Elevation
Filter
LF
Elevation
Filter
Bass
Compensation
Filter
Bass Compensation
Control
BYPASS
FOCUS
FOCUS
Rch OUT
SRS
BYPASS
FOCUS
BYPASS
FOCUS
Lch OUT
FOCUS
Control
LF
Elevation
Control
WIDTH
Control
SRS
Lch IN
SRS Lch OUT
FOCUS Lch IN

- **Pin Function**



1.SRSINR
2.WIDTHR
3.SRSFILTERR
4.SRSOUTR
5.FOCUSINR1
6.FOCUSINR2
7.LFOUTR
8.LFINR
9.HFINR
10.BCOUT
11.BCIN
12.FOCUSOUTR
13.REFIN
14.VREF
15.GROUND

16.V+
17.MODE2
18.MODE1
19.FOCUSOUTL
20.LPFIN
21.LPFOUT
22.HFINL
23.LFINL
24.LFOUTL
25.FOCUSINL2
26.FOCUSINL1
27.SRSOUTL
28.SRSFILTERL
29.WIDTHL
30.SRSINL

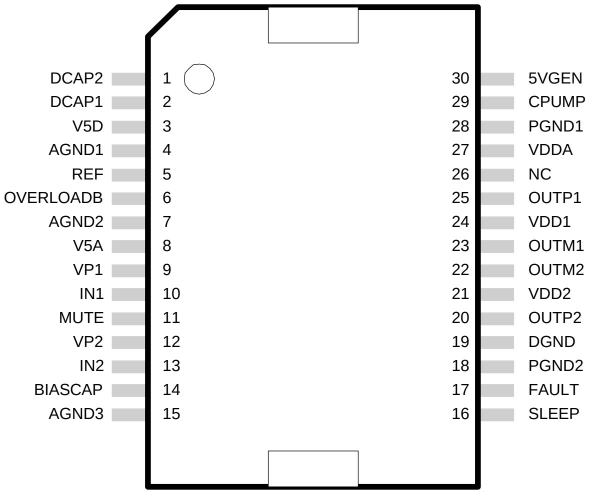
■ VHiTA1101B/-1Y (IC3809)

• Stereo Amp.

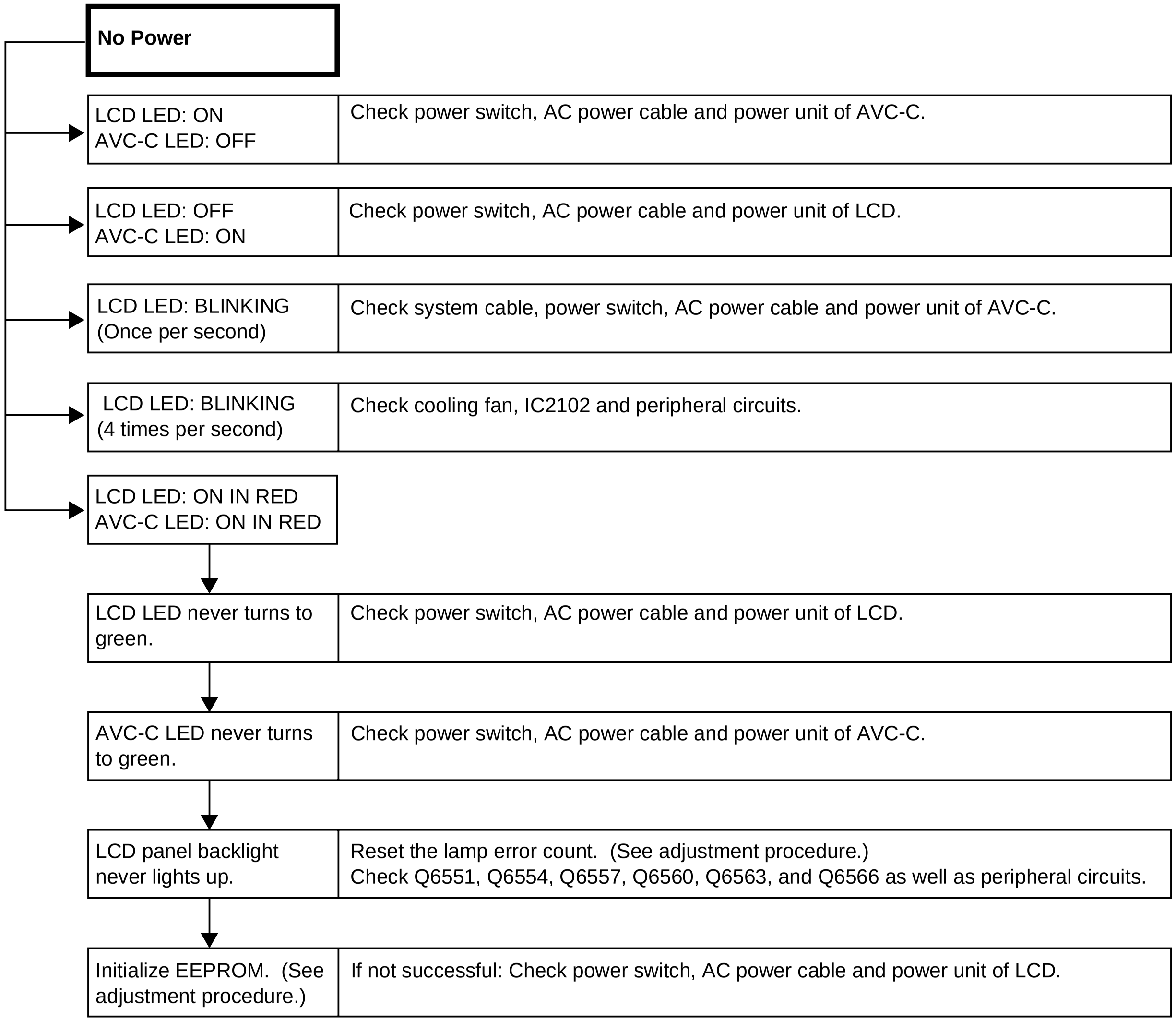
• Pin Function

Pin	Function	Description
1, 2	DCAP2, DCAP1	Charge pump switching pins. DCAP1 (pin 2) is a free running 300kHz square wave between VDDA and DGND (12Vpp nominal). DCAP2 (pin 1) is level shifted 10 volts above DCAP1 (pin 2) with the same amplitude (12Vpp nominal), frequency, and phase as DCAP1.
3, 8	V5D, V5A	Digital 5VDC, Analog 5VDC
4, 7, 15	AGND1, AGND2, AGND3	Analog Ground
5	REF	Internal reference voltage; approximately 1.0 VDC.
6	OVERLOADB	A logic low output indicates the input signal has overloaded the amplifier.
9, 12	VP1, VP2	Input stage output pins.
10, 13	IN1, IN2	Single-ended inputs. Inputs are a ìvirtualî ground of an inverting opamp with approximately 2.4VDC bias.
11	MUTE	When set to logic high, both amplifiers are muted and in idle mode. When low (grounded), both amplifiers are fully operational. If left floating, the device stays in the mute mode. Ground if not used.
14	BIASCAP	Input stage bias voltage (approximately 2.4VDC).
16	SLEEP	When set to logic high, device goes into low power mode. If not used, this pin should be grounded
17	FAULT	A logic high output indicates thermal overload, or an output is shorted to ground, or another output.
18, 28	PGND2, PGND1	Power Grounds (high current)
19	DGND	Digital Ground
20, 22; 25, 23	OUTP2 & OUTM2; OUTP1 & OUTM1	Bridged outputs
21, 24	VDD2, VDD1	Supply pins for high current H-bridges, nominally 12VDC.
26	NC	Not connected
27	V DDA	Analog 12VDC
29	CPUMP	Charge pump output (nominally 10V above VDDA)
30	5VGEN	Regulated 5VDC source used to supply power to the input section (pins 3 and 8).

30-pin Power SOP Package
(Top View)


DCAP2 1
DCAP1 2
V5D 3
AGND1 4
REF 5
OVERLOADB 6
AGND2 7
V5A 8
VP1 9
IN1 10
MUTE 11
VP2 12
IN2 13
BIASCAP 14
AGND3 15
30 5VGEN
29 CPUMP
28 PGND1
27 VDDA
26 NC
25 OUTP1
24 VDD1
23 OUTM1
22 OUTM2
21 VDD2
20 OUTP2
19 DGND
18 PGND2
17 FAULT
16 SLEEP

TROUBLE SHOOTING TABLE



No Power

LCD LED: ON
AVC-C LED: OFF
Check power switch, AC power cable and power unit of AVC-C.

LCD LED: OFF
AVC-C LED: ON
Check power switch, AC power cable and power unit of LCD.

LCD LED: BLINKING
(Once per second)
Check system cable, power switch, AC power cable and power unit of AVC-C.

LCD LED: BLINKING
(4 times per second)
Check cooling fan, IC2102 and peripheral circuits.

LCD LED: ON IN RED
AVC-C LED: ON IN RED

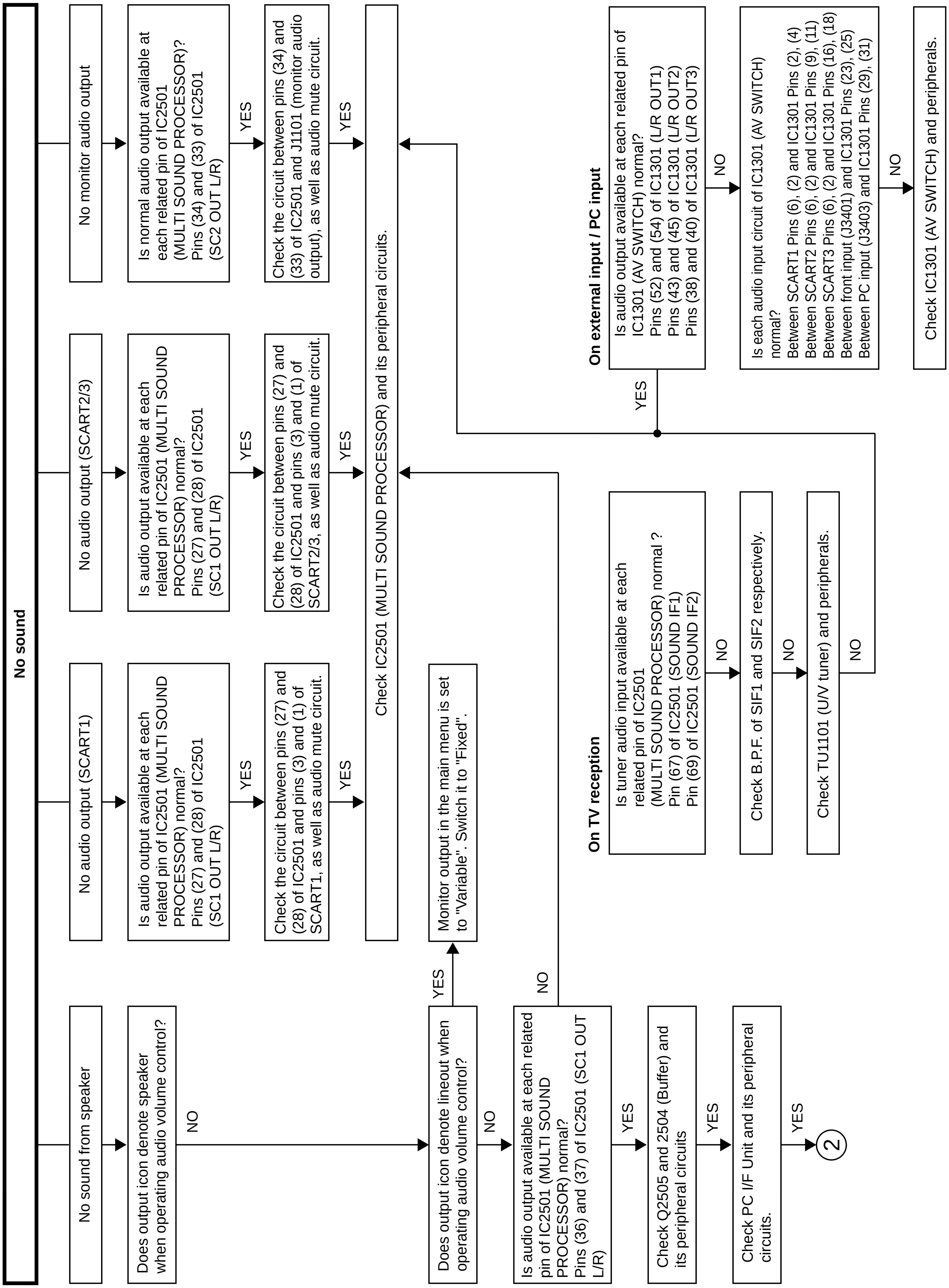
LCD LED never turns to green.
Check power switch, AC power cable and power unit of LCD.

AVC-C LED never turns to green.
Check power switch, AC power cable and power unit of AVC-C.

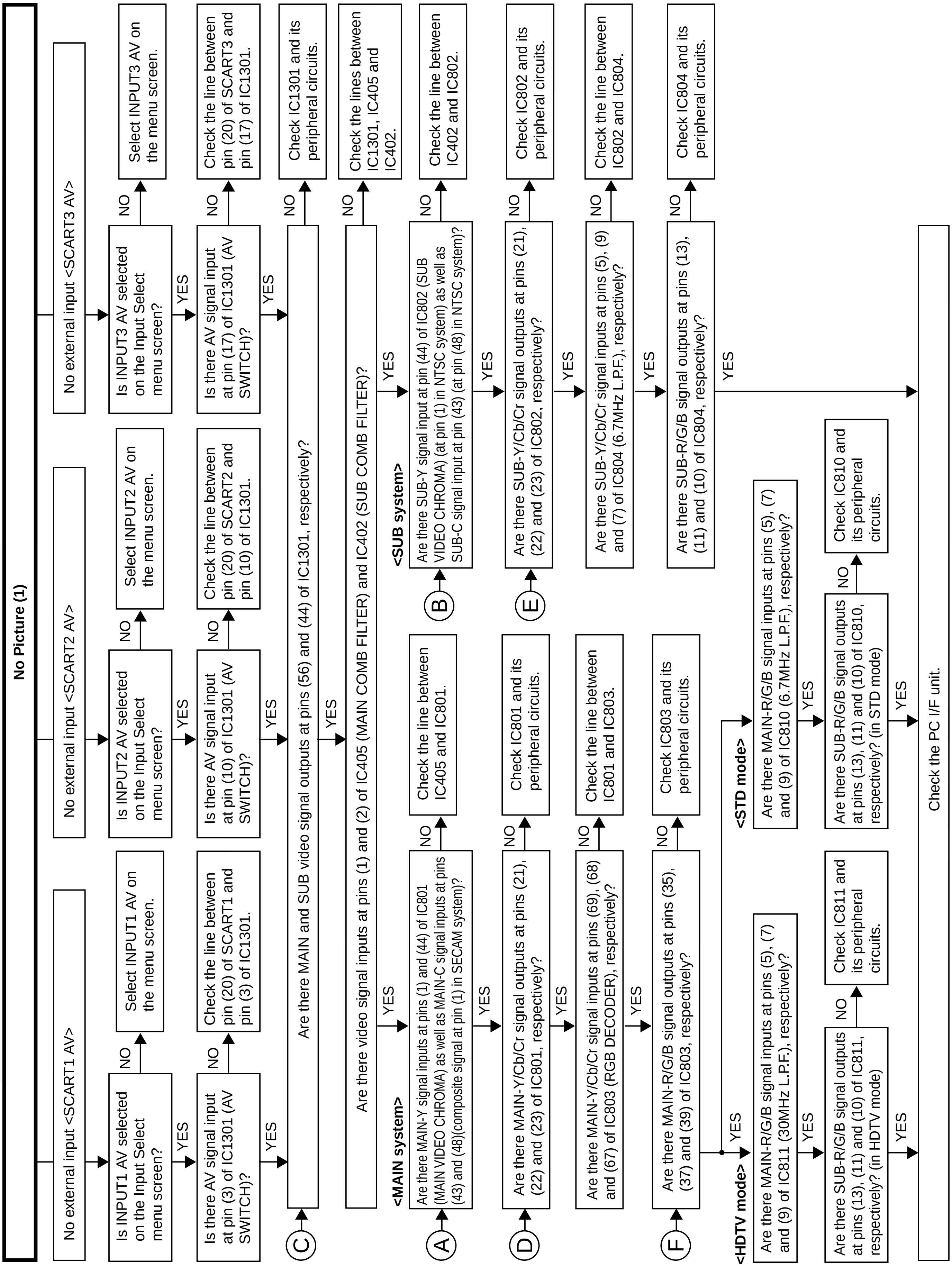
LCD panel backlight never lights up.
Reset the lamp error count. (See adjustment procedure.)
Check Q6551, Q6554, Q6557, Q6560, Q6563, and Q6566 as well as peripheral circuits.

Initialize EEPROM. (See adjustment procedure.)
If not successful: Check power switch, AC power cable and power unit of LCD.

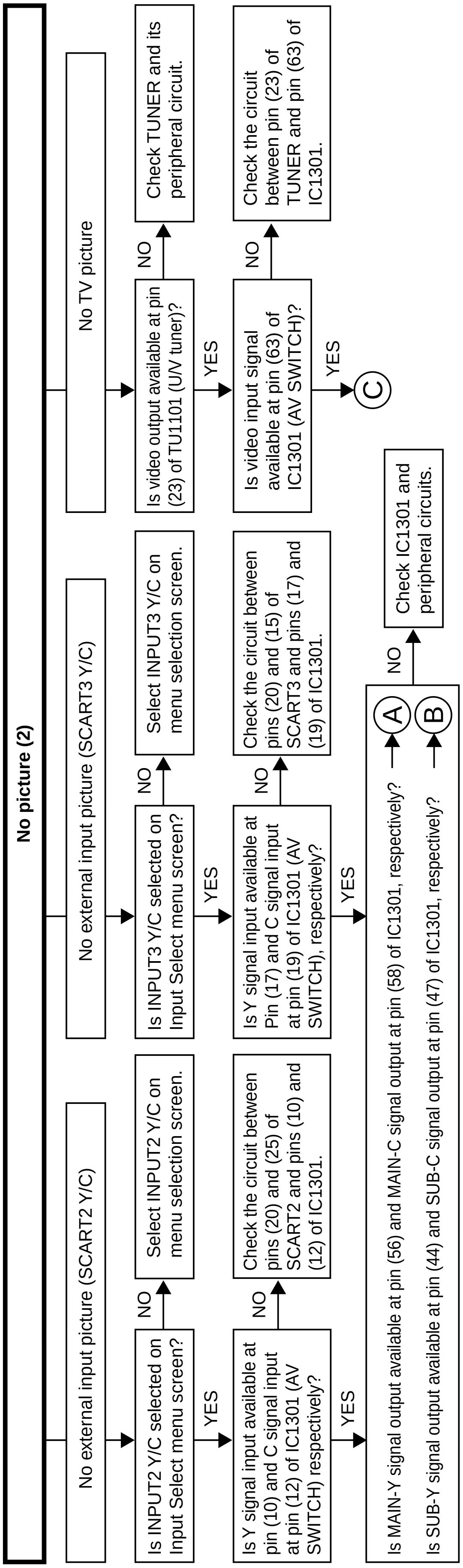
TROUBLE SHOOTING TABLE (Continued)

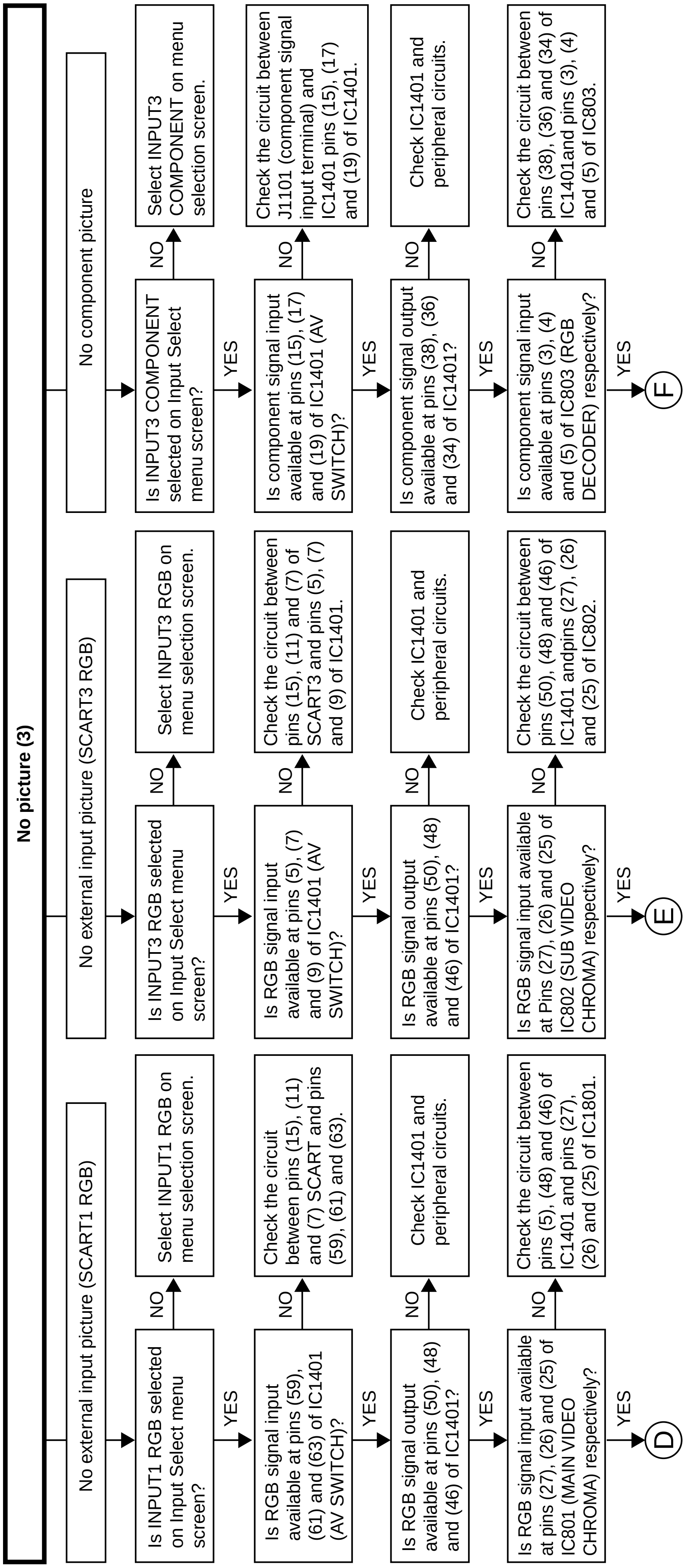

No sound
No sound from speaker
Does output icon denote speaker when operating audio volume control?
NO
Does output icon denote lineout when operating audio volume control?
YES
Monitor output in the main menu is set to "Variable". Switch it to "Fixed".
NO
Is audio output available at each related pin of IC2501 (MULTI SOUND PROCESSOR) normal? Pins (36) and (37) of IC2501 (SC1 OUT L/R)
NO
YES
Check Q2505 and 2504 (Buffer) and its peripheral circuits
YES
Check PC I/F Unit and its peripheral circuits.
YES
2
No audio output (SCART1)
Is audio output available at each related pin of IC2501 (MULTI SOUND PROCESSOR) normal? Pins (27) and (28) of IC2501 (SC1 OUT L/R)
YES
Check the circuit between pins (27) and (28) of IC2501 and pins (3) and (1) of SCART1, as well as audio mute circuit.
YES
No audio output (SCART2/3)
Is audio output available at each related pin of IC2501 (MULTI SOUND PROCESSOR) normal? Pins (27) and (28) of IC2501 (SC1 OUT L/R)
YES
Check the circuit between pins (27) and (28) of IC2501 and pins (3) and (1) of SCART2/3, as well as audio mute circuit.
YES
No monitor audio output
Is normal audio output available at each related pin of IC2501 (MULTI SOUND PROCESSOR)? Pins (34) and (33) of IC2501 (SC2 OUT L/R)
YES
Check the circuit between pins (34) and (33) of IC2501 and J1101 (monitor audio output), as well as audio mute circuit.
YES
Check IC2501 (MULTI SOUND PROCESSOR) and its peripheral circuits.
On TV reception
Is tuner audio input available at each related pin of IC2501 (MULTI SOUND PROCESSOR) normal ? Pin (67) of IC2501 (SOUND IF1) Pin (69) of IC2501 (SOUND IF2)
NO
Check B.P.F. of SIF1 and SIF2 respectively.
NO
Check TU1101 (U/V tuner) and peripherals.
NO
On external input / PC input
Is audio output available at each related pin of IC1301 (AV SWITCH) normal? Pins (52) and (54) of IC1301 (L/R OUT1) Pins (43) and (45) of IC1301 (L/R OUT2) Pins (38) and (40) of IC1301 (L/R OUT3)
YES
NO
Is each audio input circuit of IC1301 (AV SWITCH) normal? Between SCART1 Pins (6), (2) and IC1301 Pins (2), (4) Between SCART2 Pins (6), (2) and IC1301 Pins (9), (11) Between SCART3 Pins (6), (2) and IC1301 Pins (16), (18) Between front input (J3401) and IC1301 Pins (23), (25) Between PC input (J3403) and IC1301 Pins (29), (31)
NO
Check IC1301 (AV SWITCH) and peripherals.

TROUBLE SHOOTING TABLE (Continued)

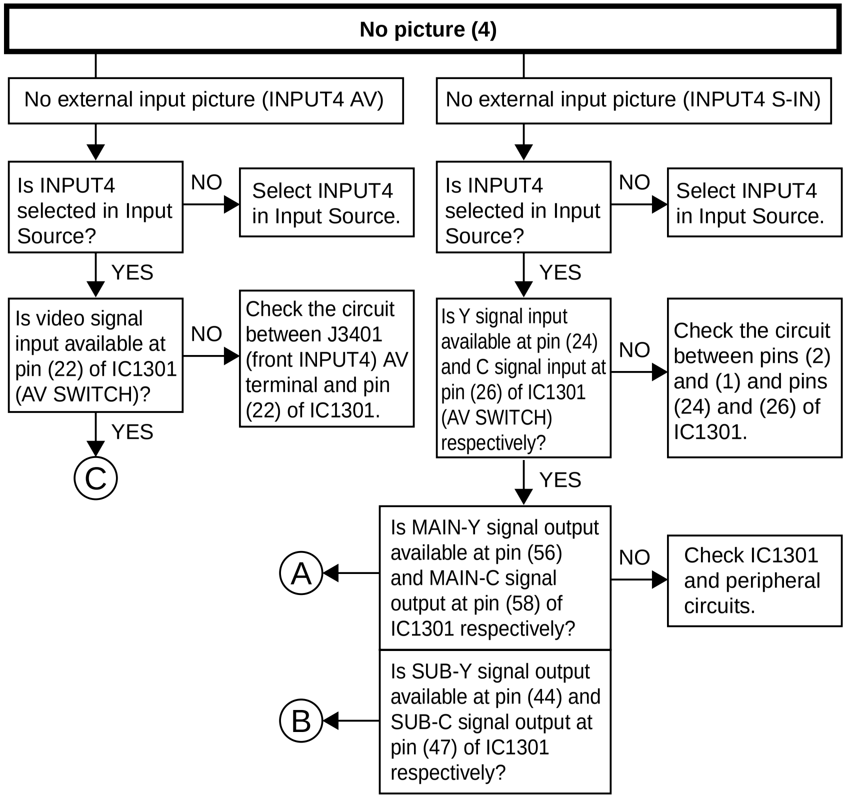

No Picture (1)
No external input <SCART1 AV>
Is INPUT1 AV selected on the Input Select menu screen?
NO
Select INPUT1 AV on the menu screen.
YES
Is there AV signal input at pin (3) of IC1301 (AV SWITCH)?
NO
Check the line between pin (20) of SCART1 and pin (3) of IC1301.
YES
No external input <SCART2 AV>
Is INPUT2 AV selected on the Input Select menu screen?
NO
Select INPUT2 AV on the menu screen.
YES
Is there AV signal input at pin (10) of IC1301 (AV SWITCH)?
NO
Check the line between pin (20) of SCART2 and pin (10) of IC1301.
YES
No external input <SCART3 AV>
Is INPUT3 AV selected on the Input Select menu screen?
NO
Select INPUT3 AV on the menu screen.
YES
Is there AV signal input at pin (17) of IC1301 (AV SWITCH)?
NO
Check the line between pin (20) of SCART3 and pin (17) of IC1301.
YES
C
Are there MAIN and SUB video signal outputs at pins (56) and (44) of IC1301, respectively?
NO
Check IC1301 and its peripheral circuits.
YES
Are there video signal inputs at pins (1) and (2) of IC405 (MAIN COMB FILTER) and IC402 (SUB COMB FILTER)?
NO
Check the lines between IC1301, IC405 and IC402.
YES
<MAIN system>
A
Are there MAIN-Y signal inputs at pins (1) and (44) of IC801 (MAIN VIDEO CHROMA) as well as MAIN-C signal inputs at pins (43) and (48)(composite signal at pin (1) in SECAM system)?
NO
Check the line between IC405 and IC801.
YES
D
Are there MAIN-Y/Cb/Cr signal outputs at pins (21), (22) and (23) of IC801, respectively?
NO
Check IC801 and its peripheral circuits.
YES
Are there MAIN-Y/Cb/Cr signal inputs at pins (69), (68) and (67) of IC803 (RGB DECODER), respectively?
NO
Check the line between IC801 and IC803.
YES
F
Are there MAIN-R/G/B signal outputs at pins (35), (37) and (39) of IC803, respectively?
NO
Check IC803 and its peripheral circuits.
YES
<HDTV mode>
Are there MAIN-R/G/B signal inputs at pins (5), (7) and (9) of IC811 (30MHz L.P.F.), respectively?
YES
Are there SUB-R/G/B signal outputs at pins (13), (11) and (10) of IC811, respectively? (in HDTV mode)
NO
Check IC811 and its peripheral circuits.
YES
<STD mode>
Are there MAIN-R/G/B signal inputs at pins (5), (7) and (9) of IC810 (6.7MHz L.P.F.), respectively?
YES
Are there SUB-R/G/B signal outputs at pins (13), (11) and (10) of IC810, respectively? (in STD mode)
NO
Check IC810 and its peripheral circuits.
YES
Check the PC I/F unit.
<SUB system>
B
Are there SUB-Y signal input at pin (44) of IC802 (SUB VIDEO CHROMA) (at pin (1) in NTSC system) as well as SUB-C signal input at pin (43) (at pin (48) in NTSC system)?
NO
Check the line between IC402 and IC802.
YES
E
Are there SUB-Y/Cb/Cr signal outputs at pins (21), (22) and (23) of IC802, respectively?
NO
Check IC802 and its peripheral circuits.
YES
Are there SUB-Y/Cb/Cr signal inputs at pins (5), (9) and (7) of IC804 (6.7MHz L.P.F.), respectively?
NO
Check the line between IC802 and IC804.
YES
Are there SUB-R/G/B signal outputs at pins (13), (11) and (10) of IC804, respectively?
NO
Check IC804 and its peripheral circuits.
YES

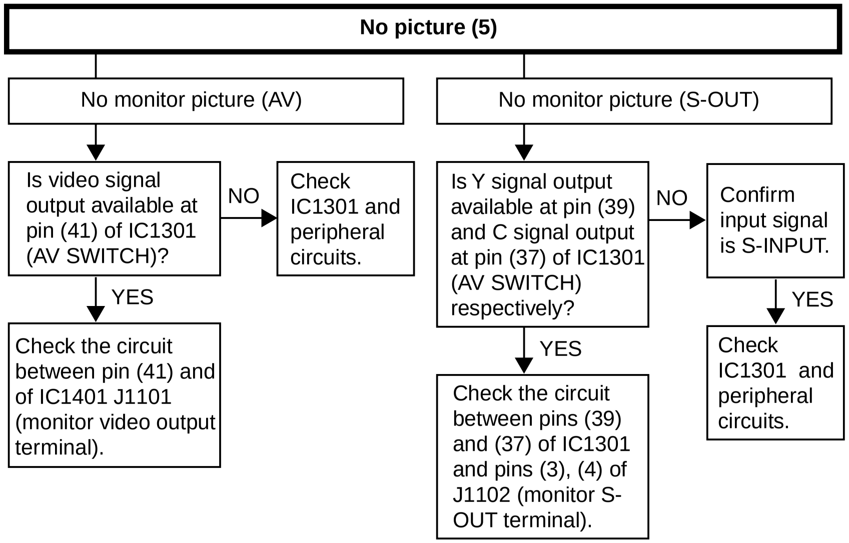
TROUBLE SHOOTING TABLE (Continued)

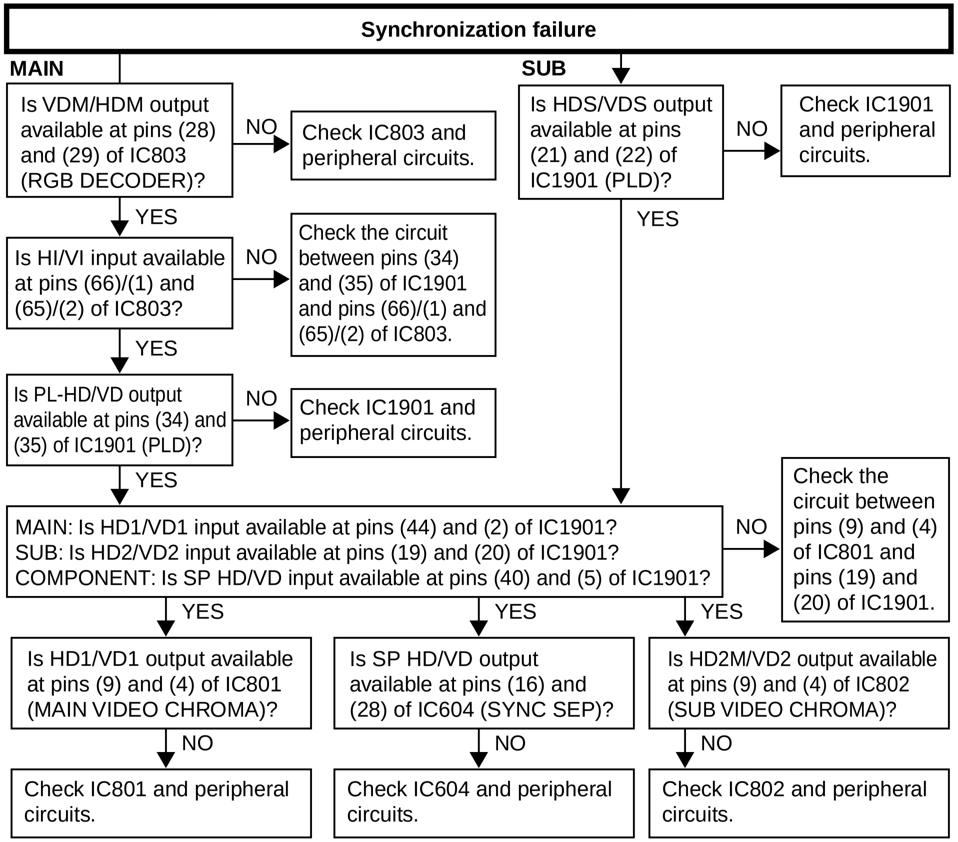

No picture (2)
No external input picture (SCART2 Y/C)
Is INPUT2 Y/C selected on Input Select menu screen?
NO
Select INPUT2 Y/C on menu selection screen.
YES
Is Y signal input available at pin (10) and C signal input at pin (12) of IC1301 (AV SWITCH) respectively?
NO
Check the circuit between pins (20) and (25) of SCART2 and pins (10) and (12) of IC1301.
YES
No external input picture (SCART3 Y/C)
Is INPUT3 Y/C selected on Input Select menu screen?
NO
Select INPUT3 Y/C on menu selection screen.
YES
Is Y signal input available at Pin (17) and C signal input at pin (19) of IC1301 (AV SWITCH), respectively?
NO
Check the circuit between pins (20) and (15) of SCART3 and pins (17) and (19) of IC1301.
YES
Is MAIN-Y signal output available at pin (56) and MAIN-C signal output at pin (58) of IC1301, respectively?
A
Is SUB-Y signal output available at pin (44) and SUB-C signal output at pin (47) of IC1301, respectively?
B
NO
Check IC1301 and peripheral circuits.
No TV picture
Is video output available at pin (23) of TU1101 (U/V tuner)?
NO
Check TUNER and its peripheral circuit.
YES
Is video input signal available at pin (63) of IC1301 (AV SWITCH)?
NO
Check the circuit between pin (23) of TUNER and pin (63) of IC1301.
YES
C

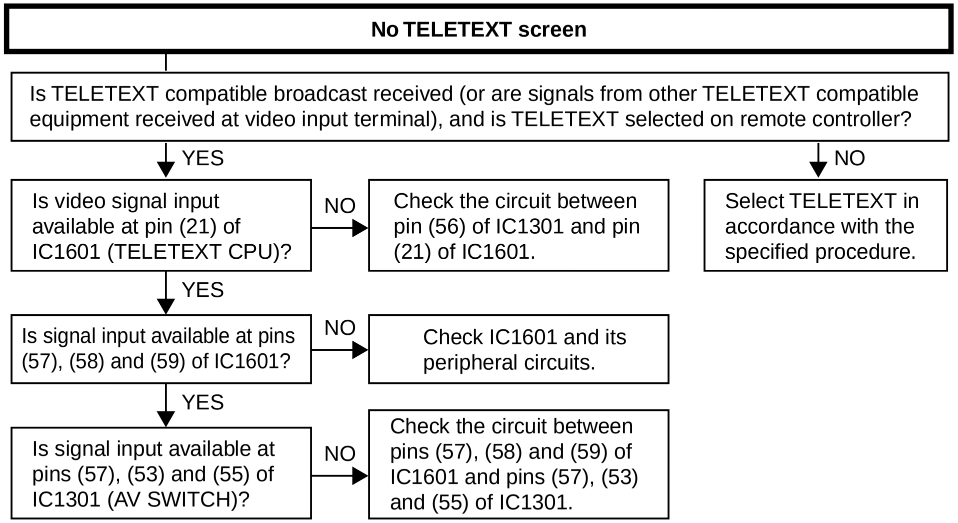

No picture (3)
No external input picture (SCART1 RGB)
Is INPUT1 RGB selected on Input Select menu screen?
NO
Select INPUT1 RGB on menu selection screen.
YES
Is RGB signal input available at pins (59), (61) and (63) of IC1401 (AV SWITCH)?
NO
Check the circuit between pins (15), (11) and (7) SCART and pins (59), (61) and (63).
YES
Is RGB signal output available at pins (50), (48) and (46) of IC1401?
NO
Check IC1401 and peripheral circuits.
YES
Is RGB signal input available at pins (27), (26) and (25) of IC801 (MAIN VIDEO CHROMA) respectively?
NO
Check the circuit between pins (5), (48) and (46) of IC1401 and pins (27), (26) and (25) of IC1801.
YES
D
No external input picture (SCART3 RGB)
Is INPUT3 RGB selected on Input Select menu screen?
NO
Select INPUT3 RGB on menu selection screen.
YES
Is RGB signal input available at pins (5), (7) and (9) of IC1401 (AV SWITCH)?
NO
Check the circuit between pins (15), (11) and (7) of SCART3 and pins (5), (7) and (9) of IC1401.
YES
Is RGB signal output available at pins (50), (48) and (46) of IC1401?
NO
Check IC1401 and peripheral circuits.
YES
Is RGB signal input available at Pins (27), (26) and (25) of IC802 (SUB VIDEO CHROMA) respectively?
NO
Check the circuit between pins (50), (48) and (46) of IC1401 andpins (27), (26) and (25) of IC802.
YES
E
No component picture
Is INPUT3 COMPONENT selected on Input Select menu screen?
NO
Select INPUT3 COMPONENT on menu selection screen.
YES
Is component signal input available at pins (15), (17) and (19) of IC1401 (AV SWITCH)?
NO
Check the circuit between J1101 (component signal input terminal) and IC1401 pins (15), (17) and (19) of IC1401.
YES
Is component signal output available at pins (38), (36) and (34) of IC1401?
NO
Check IC1401 and peripheral circuits.
YES
Is component signal input available at pins (3), (4) and (5) of IC803 (RGB DECODER) respectively?
NO
Check the circuit between pins (38), (36) and (34) of IC1401and pins (3), (4) and (5) of IC803.
YES
F

TROUBLE SHOOTING TABLE (Continued)

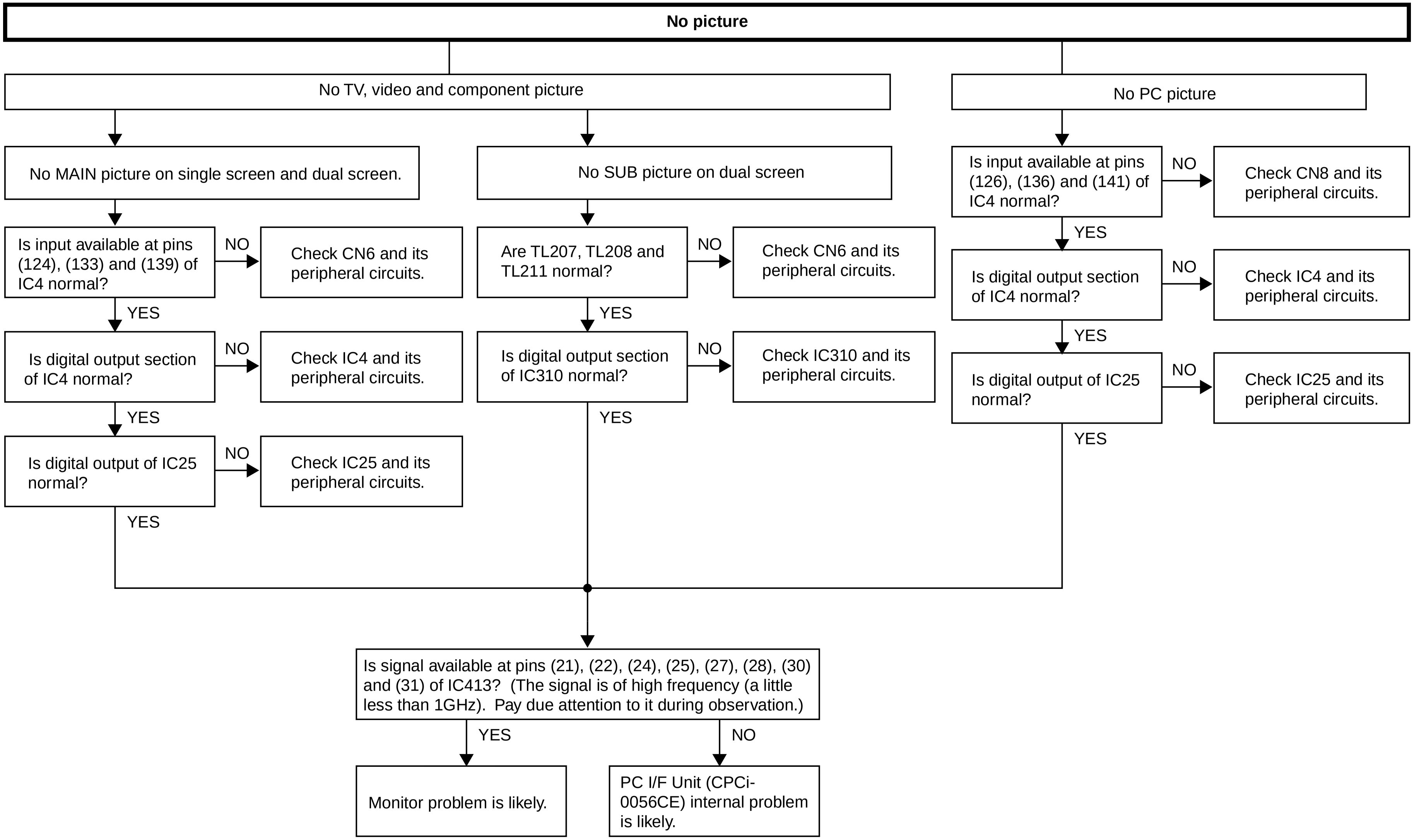

No picture (4)
No external input picture (INPUT4 AV)
Is INPUT4 selected in Input Source?
NO
Select INPUT4 in Input Source.
YES
Is video signal input available at pin (22) of IC1301 (AV SWITCH)?
NO
Check the circuit between J3401 (front INPUT4) AV terminal and pin (22) of IC1301.
YES
C
No external input picture (INPUT4 S-IN)
Is INPUT4 selected in Input Source?
NO
Select INPUT4 in Input Source.
YES
Is Y signal input available at pin (24) and C signal input at pin (26) of IC1301 (AV SWITCH) respectively?
NO
Check the circuit between pins (2) and (1) and pins (24) and (26) of IC1301.
YES
Is MAIN-Y signal output available at pin (56) and MAIN-C signal output at pin (58) of IC1301 respectively?
NO
Check IC1301 and peripheral circuits.
A
Is SUB-Y signal output available at pin (44) and SUB-C signal output at pin (47) of IC1301 respectively?
B


No picture (5)
No monitor picture (AV)
Is video signal output available at pin (41) of IC1301 (AV SWITCH)?
NO
Check IC1301 and peripheral circuits.
YES
Check the circuit between pin (41) and of IC1401 J1101 (monitor video output terminal).
No monitor picture (S-OUT)
Is Y signal output available at pin (39) and C signal output at pin (37) of IC1301 (AV SWITCH) respectively?
NO
Confirm input signal is S-INPUT.
YES
Check IC1301 and peripheral circuits.
YES
Check the circuit between pins (39) and (37) of IC1301 and pins (3), (4) of J1102 (monitor S-OUT terminal).

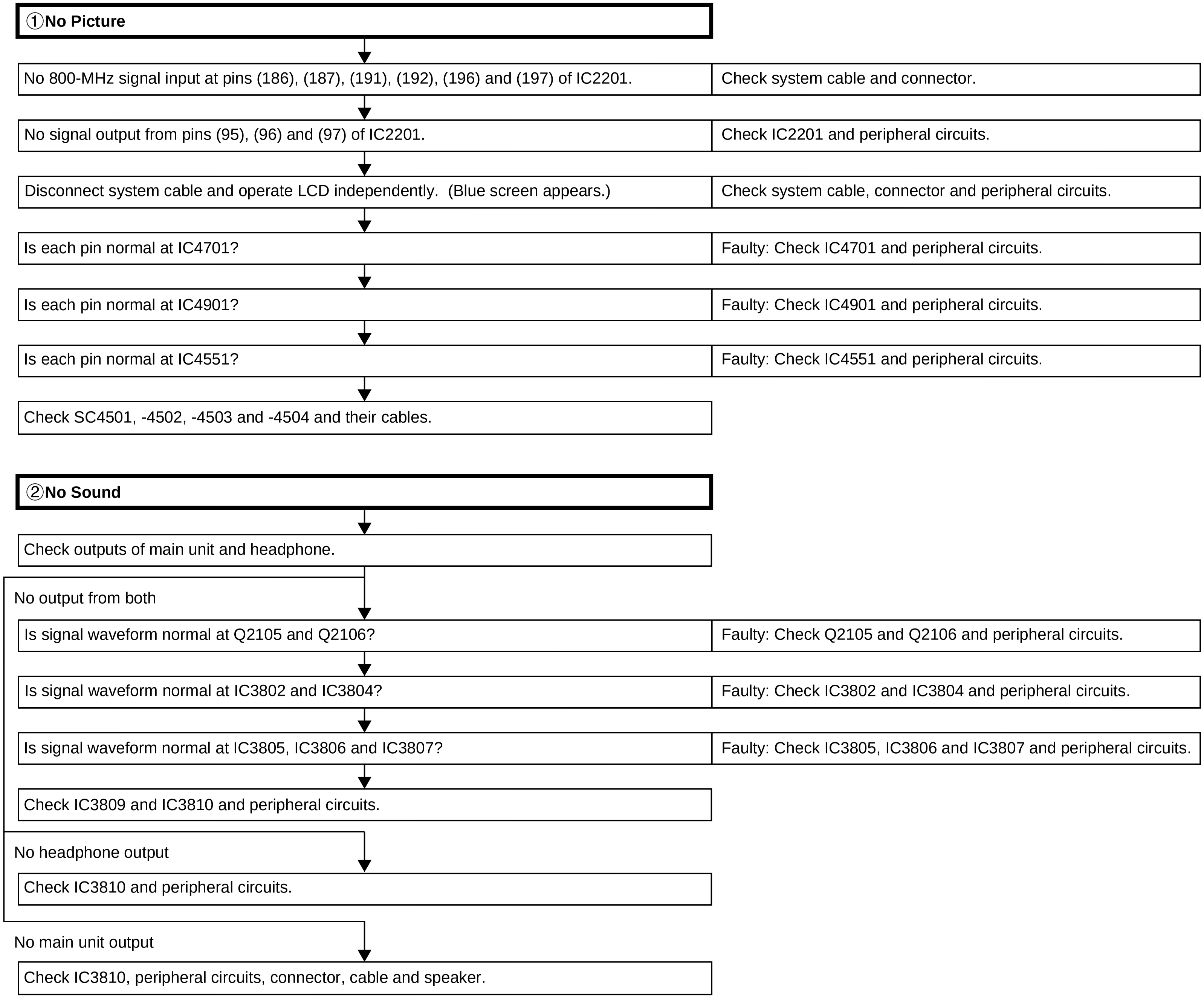

Synchronization failure
MAIN
Is VDM/HDM output available at pins (28) and (29) of IC803 (RGB DECODER)?
NO
Check IC803 and peripheral circuits.
YES
Is HI/VI input available at pins (66)/(1) and (65)/(2) of IC803?
NO
Check the circuit between pins (34) and (35) of IC1901 and pins (66)/(1) and (65)/(2) of IC803.
YES
Is PL-HD/VD output available at pins (34) and (35) of IC1901 (PLD)?
NO
Check IC1901 and peripheral circuits.
YES
SUB
Is HDS/VDS output available at pins (21) and (22) of IC1901 (PLD)?
NO
Check IC1901 and peripheral circuits.
YES
MAIN: Is HD1/VD1 input available at pins (44) and (2) of IC1901?
SUB: Is HD2/VD2 input available at pins (19) and (20) of IC1901?
COMPONENT: Is SP HD/VD input available at pins (40) and (5) of IC1901?
NO
Check the circuit between pins (9) and (4) of IC801 and pins (19) and (20) of IC1901.
YES
Is HD1/VD1 output available at pins (9) and (4) of IC801 (MAIN VIDEO CHROMA)?
NO
Check IC801 and peripheral circuits.
YES
Is SP HD/VD output available at pins (16) and (28) of IC604 (SYNC SEP)?
NO
Check IC604 and peripheral circuits.
YES
Is HD2M/VD2 output available at pins (9) and (4) of IC802 (SUB VIDEO CHROMA)?
NO
Check IC802 and peripheral circuits.


No TELETEXT screen
Is TELETEXT compatible broadcast received (or are signals from other TELETEXT compatible equipment received at video input terminal), and is TELETEXT selected on remote controller?
NO
Select TELETEXT in accordance with the specified procedure.
YES
Is video signal input available at pin (21) of IC1601 (TELETEXT CPU)?
NO
Check the circuit between pin (56) of IC1301 and pin (21) of IC1601.
YES
Is signal input available at pins (57), (58) and (59) of IC1601?
NO
Check IC1601 and its peripheral circuits.
YES
Is signal input available at pins (57), (53) and (55) of IC1301 (AV SWITCH)?
NO
Check the circuit between pins (57), (58) and (59) of IC1601 and pins (57), (53) and (55) of IC1301.

● PC I/F Unit TROUBLESHOOTING


No picture
No TV, video and component picture
No PC picture
No MAIN picture on single screen and dual screen.
No SUB picture on dual screen
Is input available at pins (124), (133) and (139) of IC4 normal?
NO
Check CN6 and its peripheral circuits.
YES
Is digital output section of IC4 normal?
NO
Check IC4 and its peripheral circuits.
YES
Is digital output of IC25 normal?
NO
Check IC25 and its peripheral circuits.
YES
Are TL207, TL208 and TL211 normal?
NO
Check CN6 and its peripheral circuits.
YES
Is digital output section of IC310 normal?
NO
Check IC310 and its peripheral circuits.
YES
Is input available at pins (126), (136) and (141) of IC4 normal?
NO
Check CN8 and its peripheral circuits.
YES
Is digital output section of IC4 normal?
NO
Check IC4 and its peripheral circuits.
YES
Is digital output of IC25 normal?
NO
Check IC25 and its peripheral circuits.
YES
Is signal available at pins (21), (22), (24), (25), (27), (28), (30) and (31) of IC413? (The signal is of high frequency (a little less than 1GHz). Pay due attention to it during observation.)
YES
Monitor problem is likely.
NO
PC I/F Unit (CPCi-0056CE) internal problem is likely.

TROUBLE SHOOTING TABLE (Continued)



①No Picture

No 800-MHz signal input at pins (186), (187), (191), (192), (196) and (197) of IC2201.

Check system cable and connector.

No signal output from pins (95), (96) and (97) of IC2201.

Check IC2201 and peripheral circuits.

Disconnect system cable and operate LCD independently. (Blue screen appears.)

Check system cable, connector and peripheral circuits.

Is each pin normal at IC4701?

Faulty: Check IC4701 and peripheral circuits.

Is each pin normal at IC4901?

Faulty: Check IC4901 and peripheral circuits.

Is each pin normal at IC4551?

Faulty: Check IC4551 and peripheral circuits.

Check SC4501, -4502, -4503 and -4504 and their cables.

②No Sound

Check outputs of main unit and headphone.

No output from both

Is signal waveform normal at Q2105 and Q2106?

Faulty: Check Q2105 and Q2106 and peripheral circuits.

Is signal waveform normal at IC3802 and IC3804?

Faulty: Check IC3802 and IC3804 and peripheral circuits.

Is signal waveform normal at IC3805, IC3806 and IC3807?

Faulty: Check IC3805, IC3806 and IC3807 and peripheral circuits.

Check IC3809 and IC3810 and peripheral circuits.

No headphone output

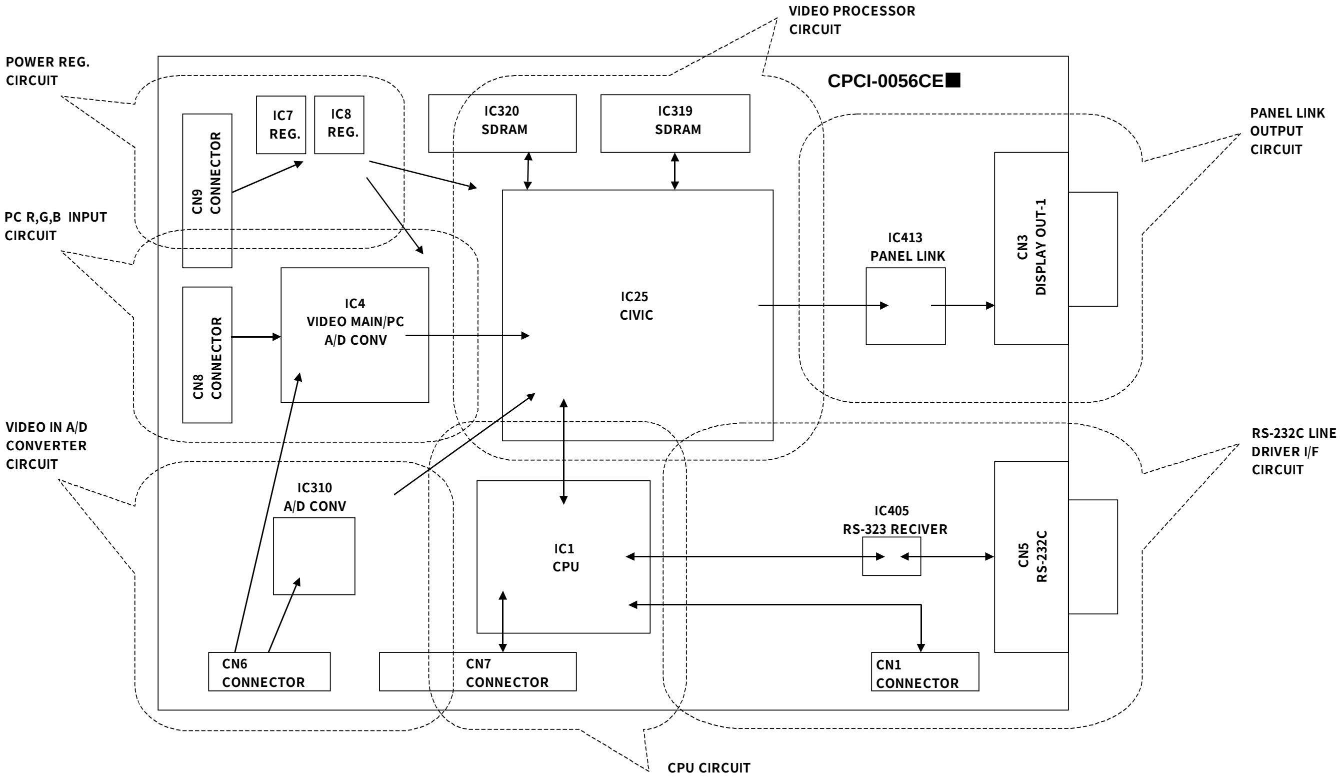
Check IC3810 and peripheral circuits.

No main unit output

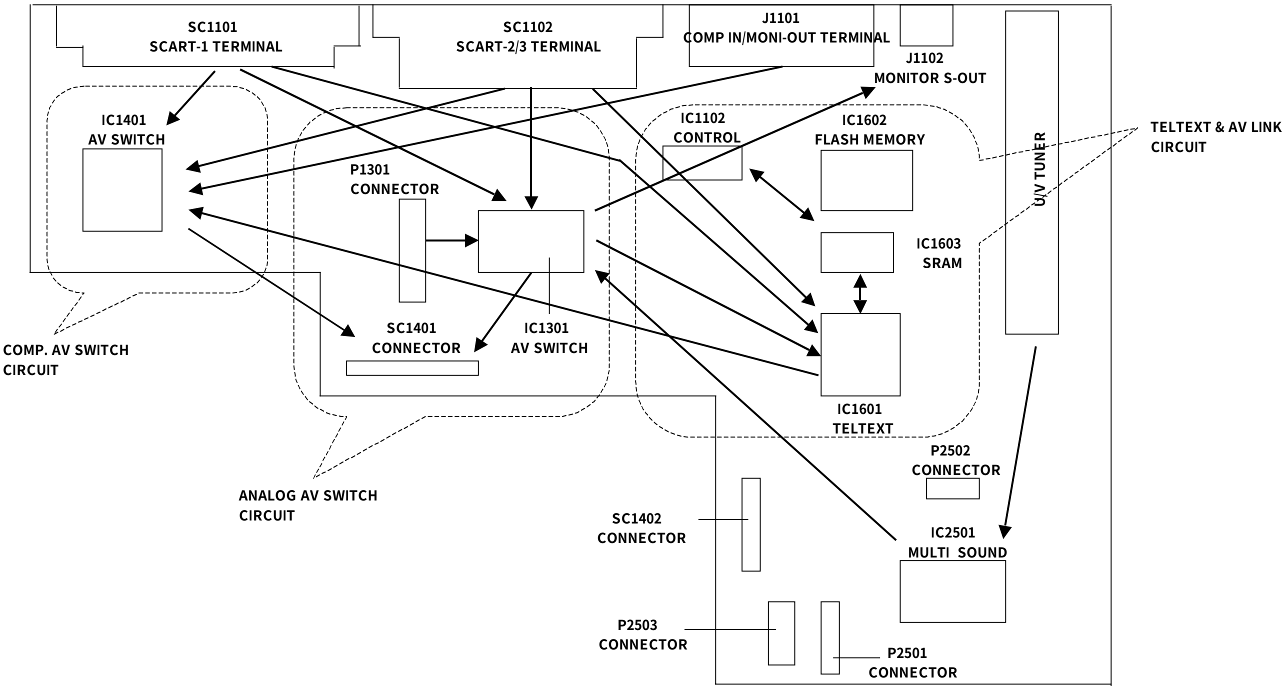
Check IC3810, peripheral circuits, connector, cable and speaker.

PRINTED WIRING BOARD BLOCK DIAGRAM-1/2

•PC I/F Unit


VIDEO PROCESSOR CIRCUIT
POWER REG. CIRCUIT
CPCI-0056CE■
IC7 REG.
IC8 REG.
IC320 SDRAM
IC319 SDRAM
PANEL LINK OUTPUT CIRCUIT
CN9 CONNECTOR
PC R,G,B INPUT CIRCUIT
IC413 PANEL LINK
CN3 DISPLAY OUT-1
IC4 VIDEO MAIN/PC A/D CONV
IC25 CIVIC
CN8 CONNECTOR
VIDEO IN A/D CONVERTER CIRCUIT
RS-232C LINE DRIVER I/F CIRCUIT
IC310 A/D CONV
IC405 RS-323 RECIVER
IC1 CPU
CN5 RS-232C
CN6 CONNECTOR
CN7 CONNECTOR
CN1 CONNECTOR
CPU CIRCUIT

•AV Unit

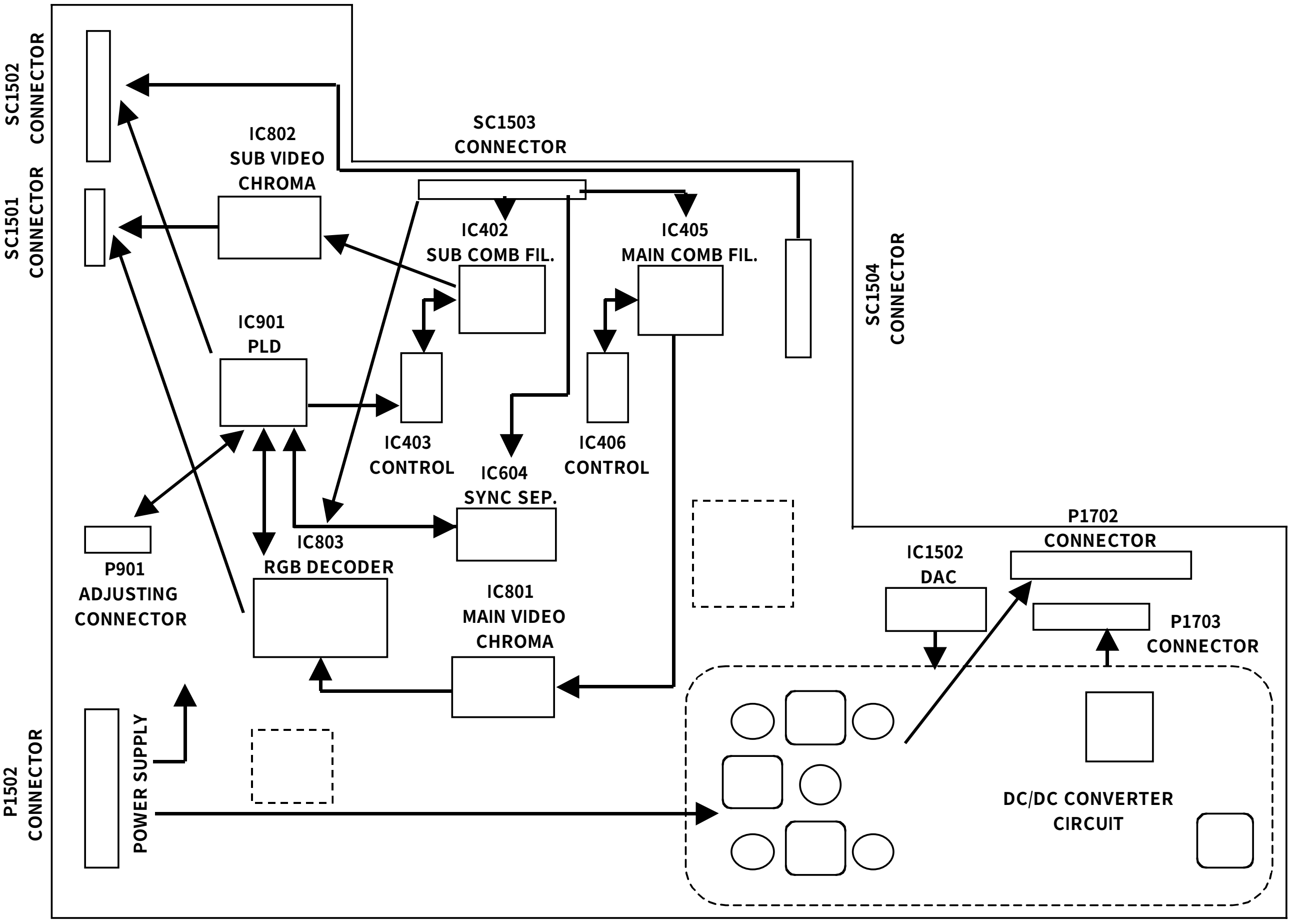

SC1101 SCART-1 TERMINAL
SC1102 SCART-2/3 TERMINAL
J1101 COMP IN/MONI-OUT TERMINAL
J1102 MONITOR S-OUT
IC1401 AV SWITCH
IC1102 CONTROL
IC1602 FLASH MEMORY
TELTEXT & AV LINK CIRCUIT
U/V TUNER
P1301 CONNECTOR
IC1603 SRAM
SC1401 CONNECTOR
IC1301 AV SWITCH
COMP. AV SWITCH CIRCUIT
IC1601 TELTEXT
P2502 CONNECTOR
ANALOG AV SWITCH CIRCUIT
SC1402 CONNECTOR
IC2501 MULTI SOUND
P2503 CONNECTOR
P2501 CONNECTOR

H G F E D C B A

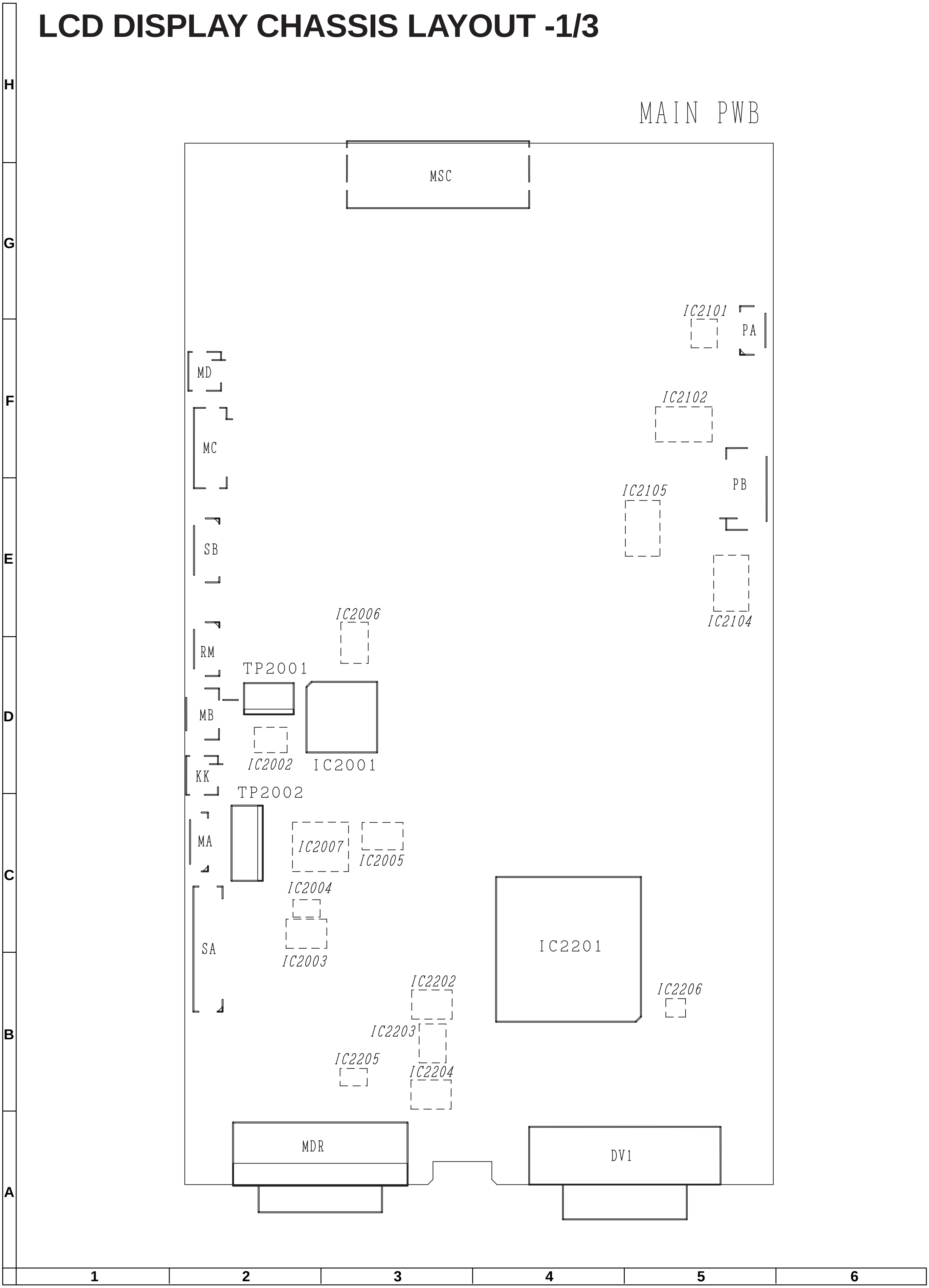
1 2 3 4 5 6

PRINTED WIRING BOARD BLOCK DIAGRAM-2/2

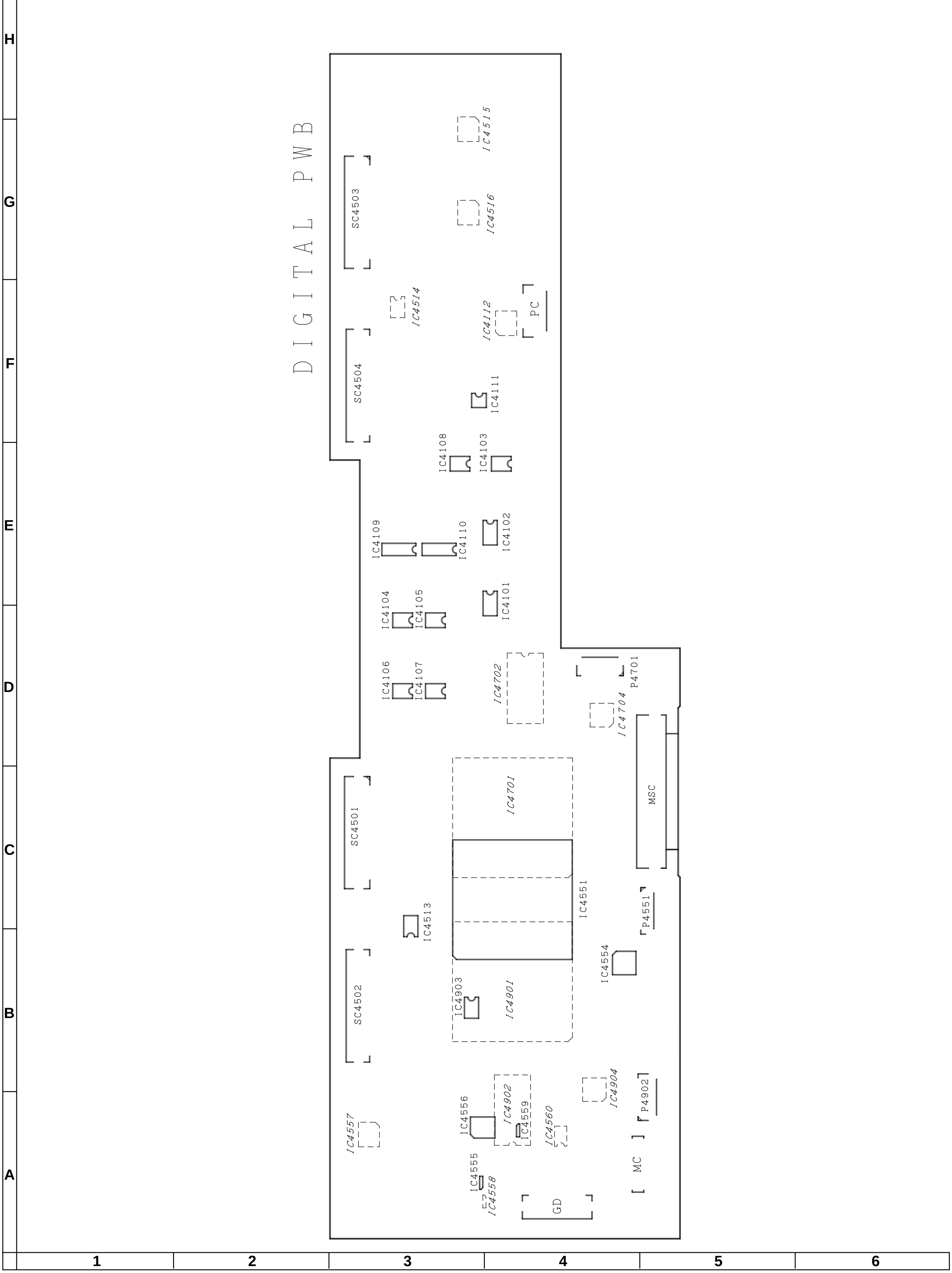
●MAIN Unit


SC1502 CONNECTOR
SC1501 CONNECTOR
IC802 SUB VIDEO CHROMA
SC1503 CONNECTOR
IC402 SUB COMB FIL.
IC405 MAIN COMB FIL.
SC1504 CONNECTOR
IC901 PLD
IC403 CONTROL
IC604 SYNC SEP.
IC406 CONTROL
P901 ADJUSTING CONNECTOR
IC803 RGB DECODER
IC801 MAIN VIDEO CHROMA
P1702 CONNECTOR
IC1502 DAC
P1703 CONNECTOR
P1502 CONNECTOR
POWER SUPPLY
DC/DC CONVERTER CIRCUIT

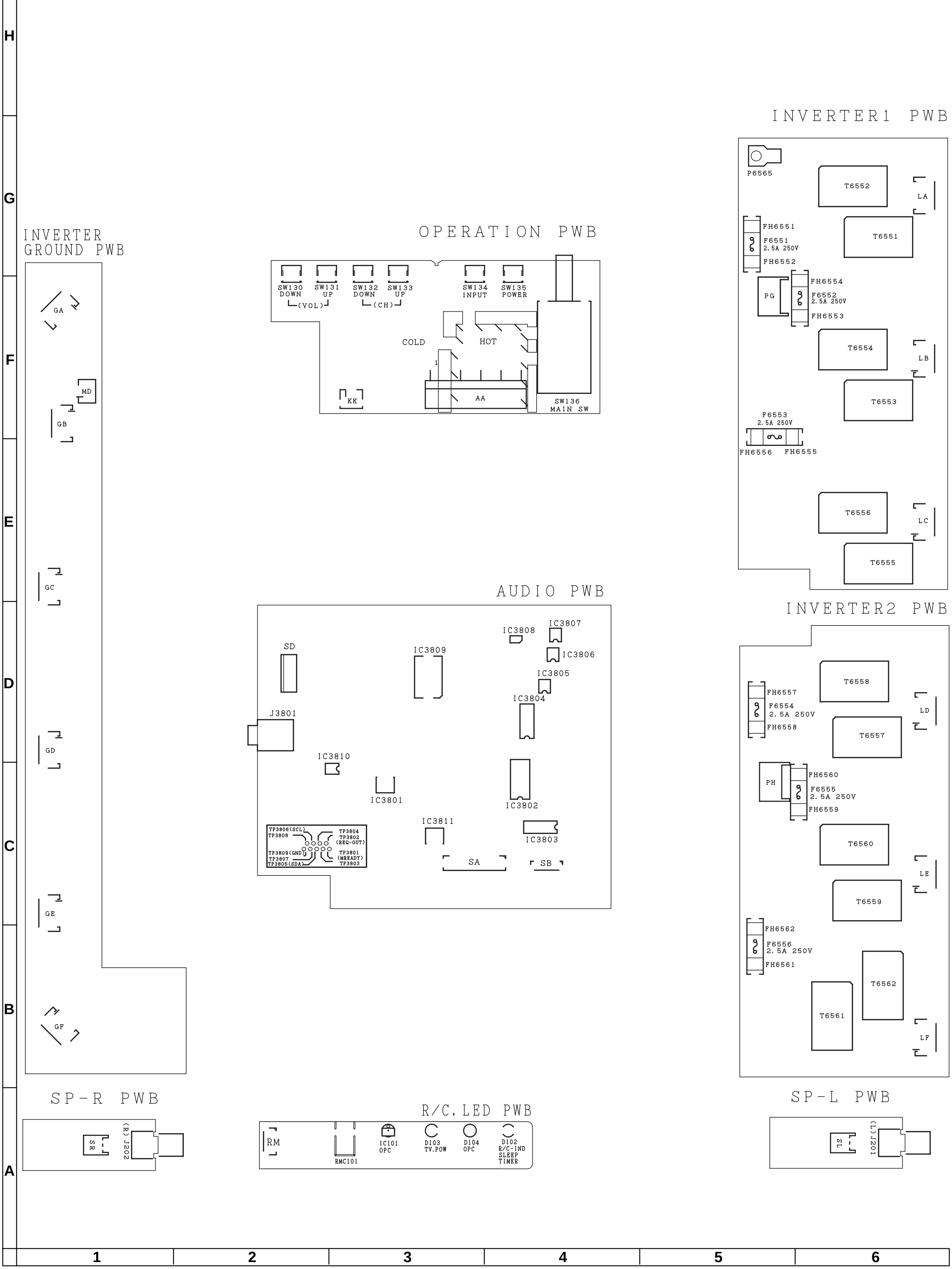
LCD DISPLAY CHASSIS LAYOUT -1/3


MAIN PWB
MSC
IC2101
PA
MD
IC2102
MC
PB
IC2105
SB
IC2104
IC2006
RM
TP2001
MB
IC2002
IC2001
KK
TP2002
MA
IC2007
IC2005
IC2004
SA
IC2003
IC2201
IC2202
IC2206
IC2203
IC2205
IC2204
MDR
DV1
H
G
F
E
D
C
B
A
1
2
3
4
5
6

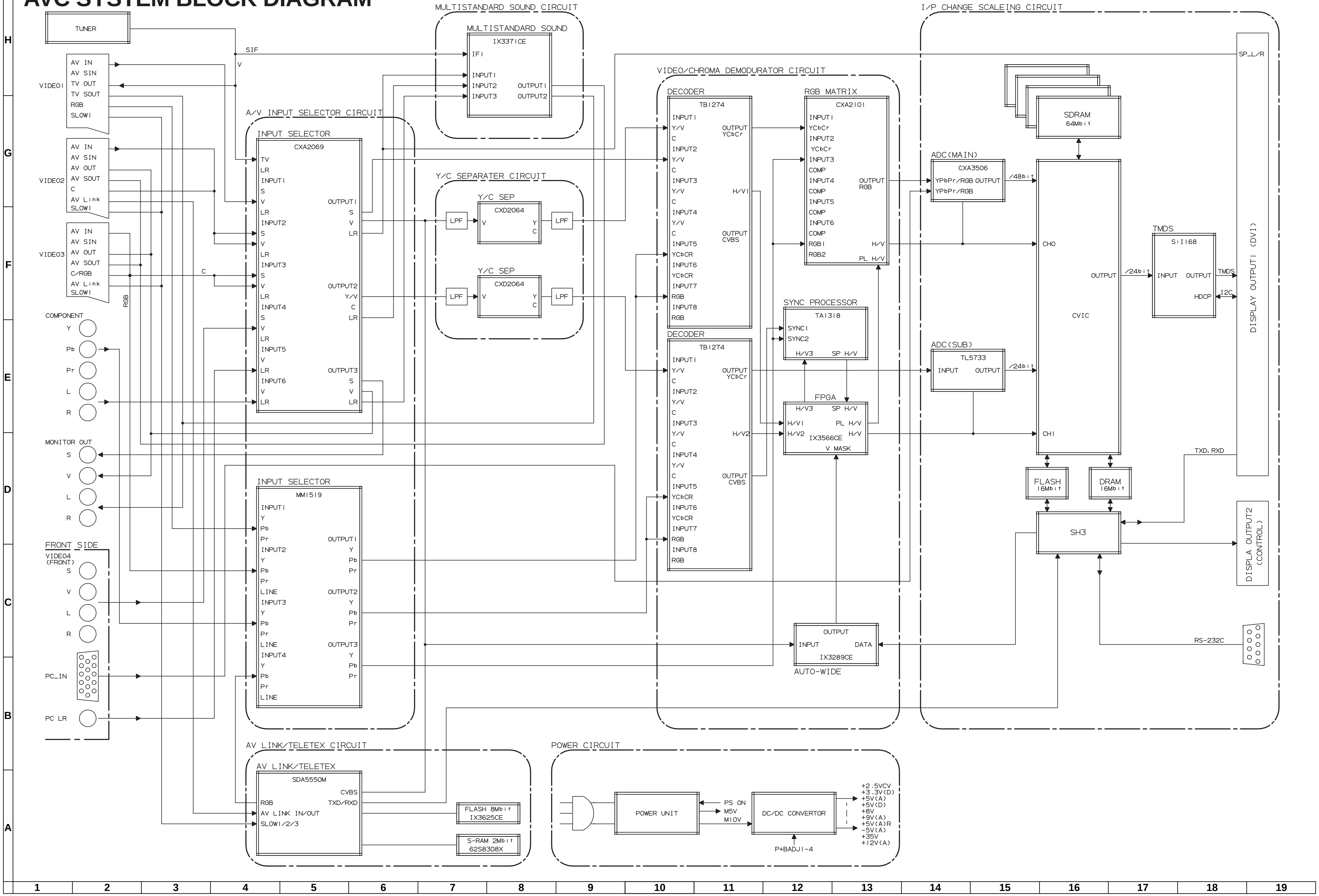
LCD DISPLAY CHASSIS LAYOUT -2/3


DIGITAL PWB
H
G
F
E
D
C
B
A
1
2
3
4
5
6
SC4503
SC4504
SC4501
SC4502
IC4515
IC4516
IC4514
IC4112
PC
IC4111
IC4108
IC4103
IC4109
IC4110
IC4102
IC4104
IC4105
IC4101
IC4106
IC4107
IC4702
P4701
IC4704
MSC
IC4701
IC4551
IC4513
P4551
IC4554
IC4903
IC4901
IC4904
P4902
IC4902
IC4559
IC4556
IC4560
IC4557
MC
IC4555
IC4558
GD

LCD DISPLAY CHASSIS LAYOUT -3/3


H
G
F
E
D
C
B
A
1
2
3
4
5
6
INVERTER GROUND PWB
GA
MD
GB
GC
GD
GE
GF
OPERATION PWB
SW130 DOWN
SW131 UP
(VOL)
SW132 DOWN
SW133 UP
(CH)
SW134 INPUT
SW135 POWER
COLD
HOT
1
KK
AA
SW136 MAIN SW
INVERTER1 PWB
P6565
T6552
LA
FH6551
F6551 2.5A 250V
FH6552
T6551
PG
FH6554
F6552 2.5A 250V
FH6553
T6554
LB
T6553
F6553 2.5A 250V
FH6556
FH6555
T6556
LC
T6555
AUDIO PWB
IC3808
IC3807
IC3806
SD
IC3809
IC3805
IC3804
J3801
IC3810
IC3801
IC3802
IC3811
IC3803
TP3806(SCL)
TP3808
TP3809(GND)
TP3807
TP3805(SDA)
TP3804
TP3802 (REQ-OUT)
TP3801 (MREADY)
TP3803
SA
SB
INVERTER2 PWB
T6558
FH6557
F6554 2.5A 250V
FH6558
LD
T6557
PH
FH6560
F6555 2.5A 250V
FH6559
T6560
LE
T6559
FH6562
F6556 2.5A 250V
FH6561
T6562
T6561
LF
SP-R PWB
SR
(R) J202
R/C, LED PWB
RM
RMC101
IC101 OPC
D103 TV.POW
D104 OPC
D102 R/C-IND SLEEP TIMER
SP-L PWB
SL
(L) J201

AVC SYSTEM BLOCK DIAGRAM


H
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E
D
C
B
A
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4
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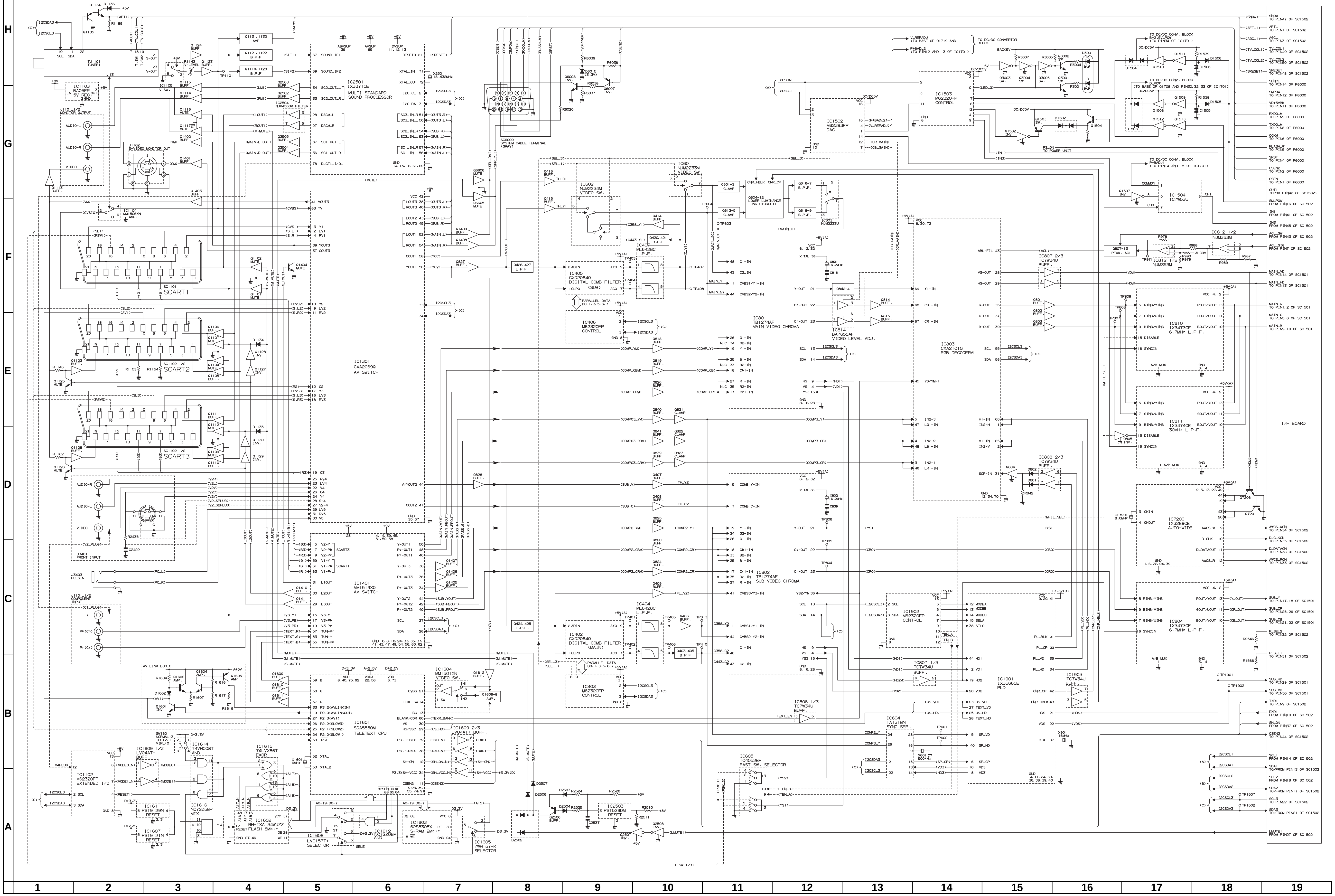
8
9
10
11
12
13
14
15
16
17
18
19
TUNER
SIF
V
VIDEO1
AV IN
AV SIN
TV OUT
TV SOUT
RGB
SLOW1
VIDEO2
AV IN
AV SIN
AV OUT
AV SOUT
C
AV Link
SLOW1
VIDEO3
AV IN
AV SIN
AV OUT
AV SOUT
C/RGB
AV Link
SLOW1
C
RGB
COMPONENT
Y
Pb
Pr
L
R
MONITOR OUT
S
V
L
R
FRONT SIDE
VIDEO4 (FRONT)
S
V
L
R
PC_IN
PC LR
MULTISTANDARD SOUND CIRCUIT
MULTISTANDARD SOUND
IX3371CE
IF1
INPUT1
INPUT2
INPUT3
OUTPUT1
OUTPUT2
A/V INPUT SELECTOR CIRCUIT
INPUT SELECTOR
CXA2069
TV
LR
INPUT1
S
V
LR
INPUT2
S
V
LR
INPUT3
S
V
LR
INPUT4
S
V
LR
INPUT5
V
LR
INPUT6
V
LR
OUTPUT1
S
V
LR
OUTPUT2
Y/V
C
LR
OUTPUT3
S
V
LR
INPUT SELECTOR
MM1519
INPUT1
Y
Pb
Pr
INPUT2
Y
Pb
Pr
LINE
INPUT3
Y
Pb
Pr
LINE
INPUT4
Y
Pb
Pr
LINE
OUTPUT1
Y
Pb
Pr
OUTPUT2
Y
Pb
Pr
OUTPUT3
Y
Pb
Pr
Y/C SEPARATER CIRCUIT
Y/C SEP
CXD2064
LPF
V
Y
C
LPF
Y/C SEP
CXD2064
LPF
V
Y
C
LPF
VIDEO/CHROMA DEMODURATOR CIRCUIT
DECODER
TB1274
INPUT1
Y/V
C
INPUT2
Y/V
C
INPUT3
Y/V
C
INPUT4
Y/V
C
INPUT5
YCbCR
INPUT6
YCbCR
INPUT7
RGB
INPUT8
RGB
OUTPUT YCbCr
H/V1
OUTPUT CVBS
DECODER
TB1274
INPUT1
Y/V
C
INPUT2
Y/V
C
INPUT3
Y/V
C
INPUT4
Y/V
C
INPUT5
YCbCR
INPUT6
YCbCR
INPUT7
RGB
INPUT8
RGB
OUTPUT YCbCr
H/V2
OUTPUT CVBS
RGB MATRIX
CXA2101
INPUT1
YCbCr
INPUT2
YCbCr
INPUT3
COMP
INPUT4
COMP
INPUT5
COMP
INPUT6
COMP
RGB1
RGB2
OUTPUT RGB
H/V
PL H/V
SYNC PROCESSOR
TA1318
SYNC1
SYNC2
H/V3
SP H/V
FPGA
H/V3
SP H/V
H/V1
H/V2
PL H/V
H/V
IX3566CE
V MASK
OUTPUT
INPUT
DATA
IX3289CE
AUTO-WIDE
I/P CHANGE SCALEING CIRCUIT
SDRAM
64Mbit
ADC(MAIN)
CXA3506
YPbPr/RGB OUTPUT
YPbPr/RGB
/48bit
ADC(SUB)
TL5733
INPUT
OUTPUT
/24bit
CH0
CH1
CVIC
OUTPUT
/24bit
TMDS
SiI168
INPUT
OUTPUT
TMDS
HDCP
I2C
SP_L/R
DISPLAY OUTPUT1 (DVI)
TXD, RXD
FLASH
16Mbit
DRAM
16Mbit
SH3
DISPLA OUTPUT2 (CONTROL)
RS-232C
AV LINK/TELETEX CIRCUIT
AV LINK/TELETEX
SDA5550M
CVBS
RGB
TXD/RXD
AV LINK IN/OUT
SLOW1/2/3
FLASH 8Mbit
IX3625CE
S-RAM 2Mbit
62S8308X
POWER CIRCUIT
POWER UNIT
PS ON
M5V
M10V
DC/DC CONVERTOR
P+BADJ1-4
+2.5VCV
+3.3V(D)
+5V(A)
+5V(D)
+8V
+9V(A)
+5V(A)R
-5V(A)
+35V
+12V(A)

AVC SIGNAL FLOW BLOCK DIAGRAM


H
G
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E
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C
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A
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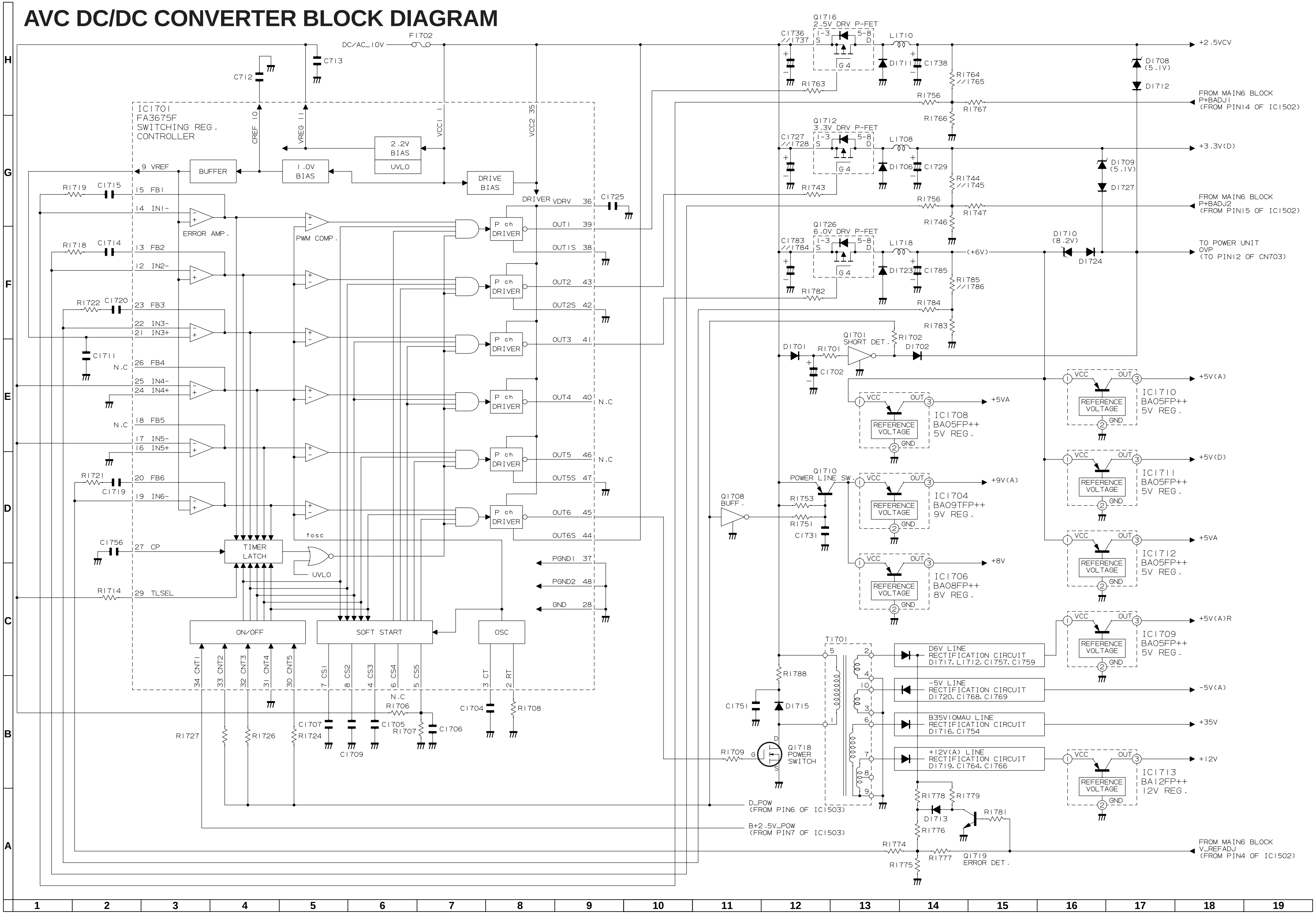
13
14
15
16
17
18
19
TU1101 TUNER
IC1103 BA05FP 5V REG.
J1101_1/2 MONITOR OUTPUT
AUDIO-L
AUDIO-R
VIDEO
J1102 S-VIDEO MONITOR OUT
IC1104 MM1506XN AMP.
SC1101 SCART1
SC1102 1/2 SCART2
SC1102 1/2 SCART3
J3401 FRONT INPUT
J3403 PC_SIN
J1101_1/2 COMPONENT INPUT
AV LINK LOGIC
IC1102 M62320FP EXTENDED I/O
IC1609 1/3 LV04AT+ BUFF.
IC1611 PST9129N RESET
IC1607 PST9121N RESET
IC1614 74VHC08T AND
IC1616 NC7SZ58P MIX
IC1615 74LVX86T EXOR
IC1602 RH-IXA134WJZZ FLASH 8Mbit
IC1608 LVC157T+ SELECTOR
IC1612 NC7SZ08P AND
IC1603 62S8308X S-RAM 2Mbit
IC1605 7WH157FK SELECTOR
IC2501 IX3371CE MULTI STANDARD SOUND PROCCESSOR
IC2504 NJM4560M FILTER
IC1301 CXA2069Q AV SWITCH
IC1401 MM1519XQ AV SWITCH
IC1601 SDA5550M TELETEXT CPU
IC1604 MM1501XN VIDEO SW.
IC1609 2/3 LV04AT+ BUFF.
IC2503 PST9290M RESET
SC6000 SYSTEM CABLE TERMINAL (GRAY)
IC602 NJM2234M VIDEO SW.
IC601 NJM2233M VIDEO SW.
IC603 NJM2233U
IC405 CXD2064Q DIGITAL COMB FILTER (SUB)
IC406 M62320FP CONTROL
IC407 ML6428CI L.P.F.
IC402 CXD2064Q DIGITAL COMB FILTER (MAIN)
IC403 M62320FP CONTROL
IC404 ML6428CI L.P.F.
IC801 TB1274AF MAIN VIDEO CHROMA
IC802 TB1274AF SUB VIDEO CHROMA
IC814 BA7655AF VIDEO LEVEL ADJ.
IC803 CXA2101Q RGB DECODERAL
IC605 TC4052BF FAST SW. SELECTOR
IC1604 TA1318N SYNC SEP.
IC808 1/3 TC7W34U BUFF.
IC1902 M62320FP CONTROL
IC1502 M62393FP DAC
IC1503 M62320FP CONTROL
IC1504 TC7W53U
IC1901 IX3566CE PLD
IC1903 TC7W34U BUFF.
IC807 1/3 TC7W34U BUFF.
IC807 2/3 TC7W34U BUFF.
IC808 2/3 TC7W34U BUFF.
IC812 1/2 NJM353M
IC812 1/2 NJM353M
IC810 IX3473CE 6.7MHz L.P.F.
IC811 IX3474CE 30MHz L.P.F.
IC804 IX3473CE 6.7MHz L.P.F.
IC7200 IX3289CE AUTO-WIDE
TO DC/DC CONVERTOR BLOCK
TO DC/DC CONV. BLOCK
PS_ON TO POWER UNIT
I/F BOARD
SNOW TO PIN47 OF SC1502
AFT_I TO PIN1 OF SC1502
AGC_I TO PIN3 OF SC1502
TV_COL1 TO PIN49 OF SC1502
TV_COL2 TO PIN50 OF SC1502
SRESET TO PIN48 OF SC1502
SENCE TO PIN14 OF P6000
SWPOW TO PIN12 OF P6000
VD+5VBK TO PIN11 OF P6000
RXDO_M TO PIN9 OF P6000
TXDO_M TO PIN8 OF P6000
CCKM TO PIN6 OF P6000
FLASH_W TO PIN5 OF P6000
SRST TO PIN4 OF P6000
CSEN2 TO PIN2 OF P6000
CSEN1 TO PIN1 OF P6000
OUT1 (FROM PIN42 OF SC1502)
SW_POW FROM PIN16 OF SC1502
IN1 FROM PIN41 OF SC1502
IN3 FROM PIN45 OF SC1502
ACL_SW FROM PIN43 OF SC1502
ACL_SIG FROM PIN7 OF SC1502
MAIN_VD TO PIN14 OF SC1501
MAIN_HD TO PIN13 OF SC1501
MAIN_R TO PIN1,2 OF SC1501
MAIN_G TO PIN5,6 OF SC1501
MAIN_B TO PIN9,10 OF SC1501
AWCS_WCN TO PIN34 OF SC1502
D_CLKCN TO PIN35 OF SC1502
D_DATACN TO PIN38 OF SC1502
AWCS_RCN TO PIN33 OF SC1502
SUB_Y TO PIN17,18 OF SC1501
SUB_CR TO PIN25,26 OF SC1501
SUB_CB TO PIN21,22 OF SC1501
P_SEL2 TO PIN32 OF SC1502
P_SEL1 TO PIN31 OF SC1502
SUB_HD TO PIN29 OF SC1501
SUB_VD TO PIN30 OF SC1501
TXD1 TO PIN9 OF SC1502
RXD1 FROM PIN10 OF SC1502
SH_ON FROM PIN37 OF SC1502
CSEN2 TO PIN44 OF SC1502
SCL1 FROM PIN14 OF SC1502
SDA1 TO/FROM PIN13 OF SC1502
SCL2 FROM PIN18 OF SC1502
SDA2 TO/FROM PIN17 OF SC1502
SCL3 TO PIN22 OF SC1502
SDA3 TO/FROM PIN21 OF SC1502
LMUTE1 FROM PIN27 OF SC1502

AVC DC/DC CONVERTER BLOCK DIAGRAM


DC/AC_10V
F1702
C713
C712
IC1701
FA3675F
SWITCHING REG.
CONTROLLER
CREF 10
VREG 11
VCC1 1
VCC2 35
2.2V BIAS
UVLO
1.0V BIAS
BUFFER
DRIVE BIAS
9 VREF
R1719
C1715
15 FB1
14 IN1-
ERROR AMP.
PWM COMP.
P ch DRIVER
DRIVER VDRV 36
C1725
OUT1 39
OUT1S 38
R1718
C1714
13 FB2
12 IN2-
OUT2 43
OUT2S 42
R1722
C1720
23 FB3
22 IN3-
21 IN3+
OUT3 41
C1711
N.C
26 FB4
25 IN4-
24 IN4+
OUT4 40
N.C
18 FB5
17 IN5-
16 IN5+
OUT5 46
OUT5S 47
R1721
C1719
20 FB6
19 IN6-
OUT6 45
OUT6S 44
fosc
C1756
27 CP
TIMER LATCH
UVLO
PGND1 37
PGND2 48
GND 28
R1714
29 TLSEL
ON/OFF
SOFT START
OSC
34 CNT1
33 CNT2
32 CNT3
31 CNT4
30 CNT5
7 CS1
8 CS2
4 CS3
6 CS4
5 CS5
3 CT
2 RT
N.C
R1706
C1704
R1708
C1707
C1705
R1707
C1706
R1727
R1726
R1724
C1709
D_POW
(FROM PIN6 OF IC1503)
B+2.5V_POW
(FROM PIN7 OF IC1503)
Q1716
2.5V DRV P-FET
C1736
//1737
1-3 S
5-8 D
G 4
L1710
D1711
C1738
R1763
R1764
//1765
R1756
R1766
R1767
D1708
(5.1V)
D1712
+2.5VCV
FROM MAIN6 BLOCK
P+BADJ1
(FROM PIN14 OF IC1502)
Q1712
3.3V DRV P-FET
C1727
//1728
L1708
D1706
C1729
R1743
R1744
//1745
R1746
R1747
D1709
(5.1V)
D1727
+3.3V(D)
FROM MAIN6 BLOCK
P+BADJ2
(FROM PIN15 OF IC1502)
Q1726
6.0V DRV P-FET
C1783
//1784
L1718
D1723
C1785
R1782
R1785
//1786
R1784
R1783
(+6V)
D1710
(8.2V)
D1724
TO POWER UNIT
OVP
(TO PIN12 OF CN703)
D1701
R1701
Q1701
SHORT DET.
R1702
D1702
C1702
VCC
OUT
GND
REFERENCE VOLTAGE
IC1708
BA05FP++
5V REG.
+5VA
IC1710
BA05FP++
5V REG.
+5V(A)
Q1710
POWER LINE SW.
IC1704
BA09TFP++
9V REG.
+9V(A)
Q1708
BUFF.
R1753
R1751
C1731
IC1711
BA05FP++
5V REG.
+5V(D)
IC1706
BA08FP++
8V REG.
+8V
IC1712
BA05FP++
5V REG.
+5VA
IC1709
BA05FP++
5V REG.
+5V(A)R
T1701
R1788
C1751
D1715
D6V LINE
RECTIFICATION CIRCUIT
D1717, L1712, C1757, C1759
-5V LINE
RECTIFICATION CIRCUIT
D1720, C1768, C1769
-5V(A)
B35V10MAU LINE
RECTIFICATION CIRCUIT
D1716, C1754
+35V
+12V(A) LINE
RECTIFICATION CIRCUIT
D1719, C1764, C1766
IC1713
BA12FP++
12V REG.
+12V
R1709
Q1718
POWER SWITCH
R1778
R1779
D1713
R1781
R1776
R1774
R1777
Q1719
ERROR DET.
R1775
FROM MAIN6 BLOCK
V_REFADJ
(FROM PIN4 OF IC1502)
H
G
F
E
D
C
B
A
1
2
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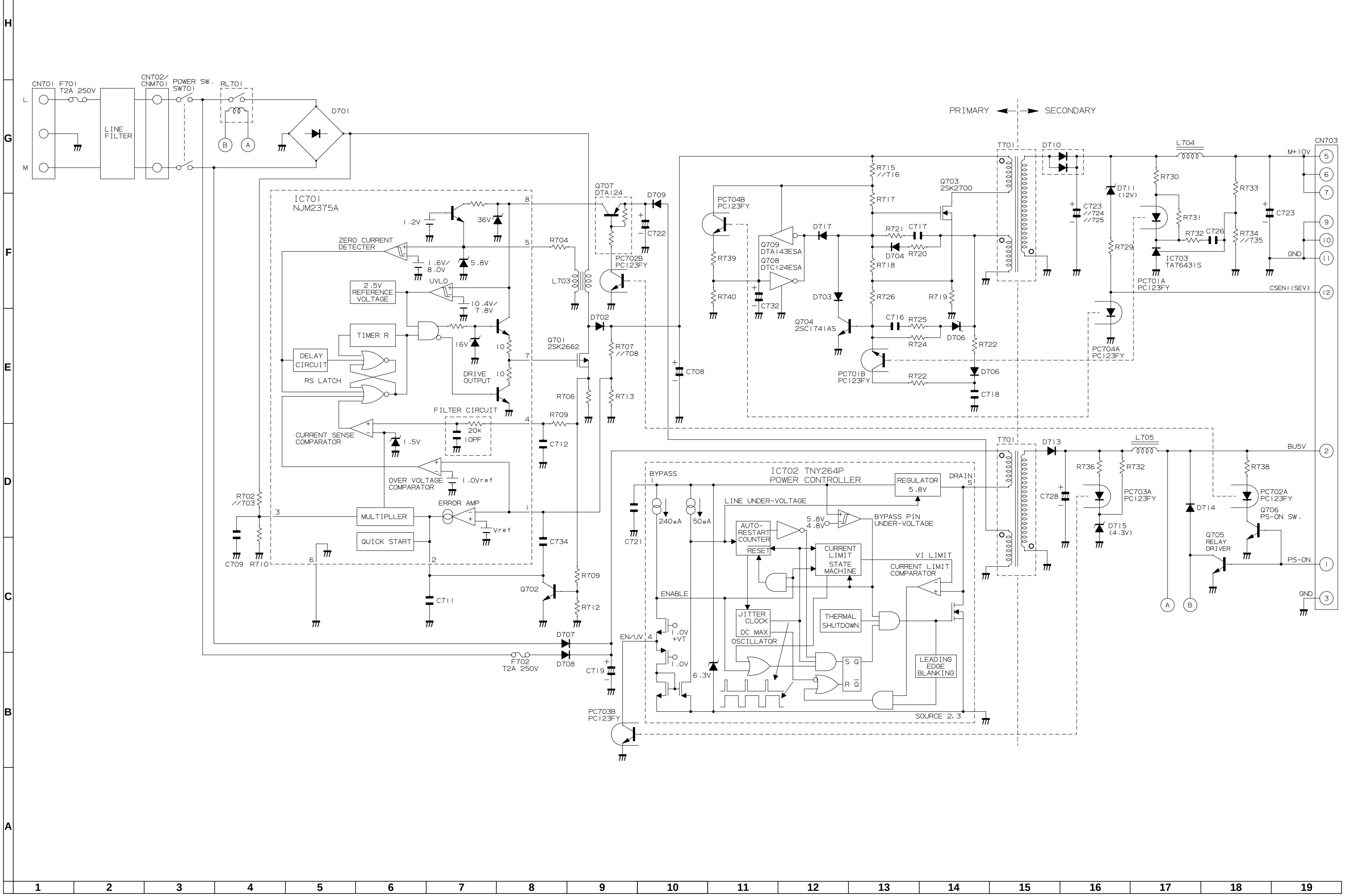
19

AVC POWER BLOCK DIAGRAM


H
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C
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8
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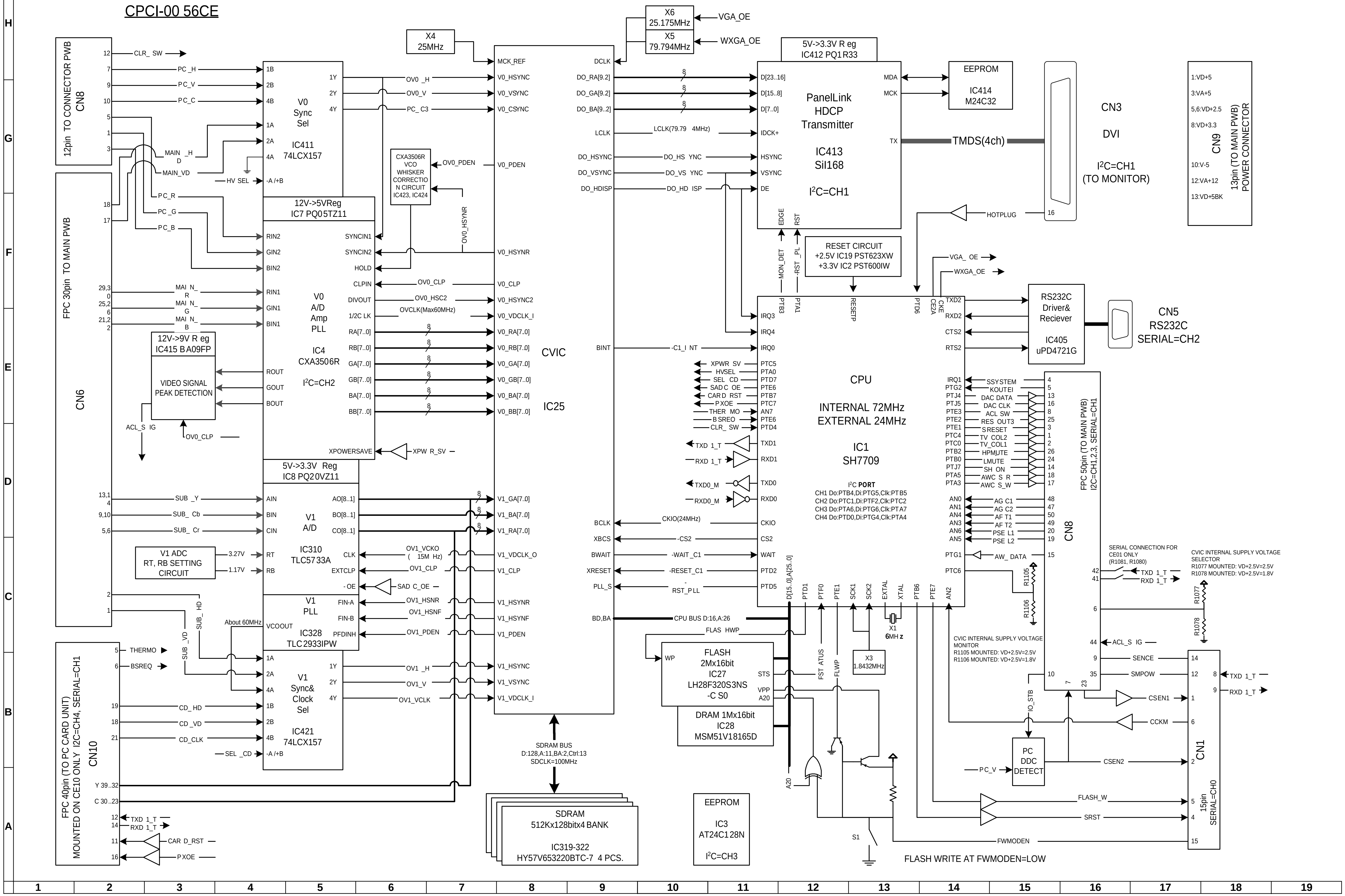
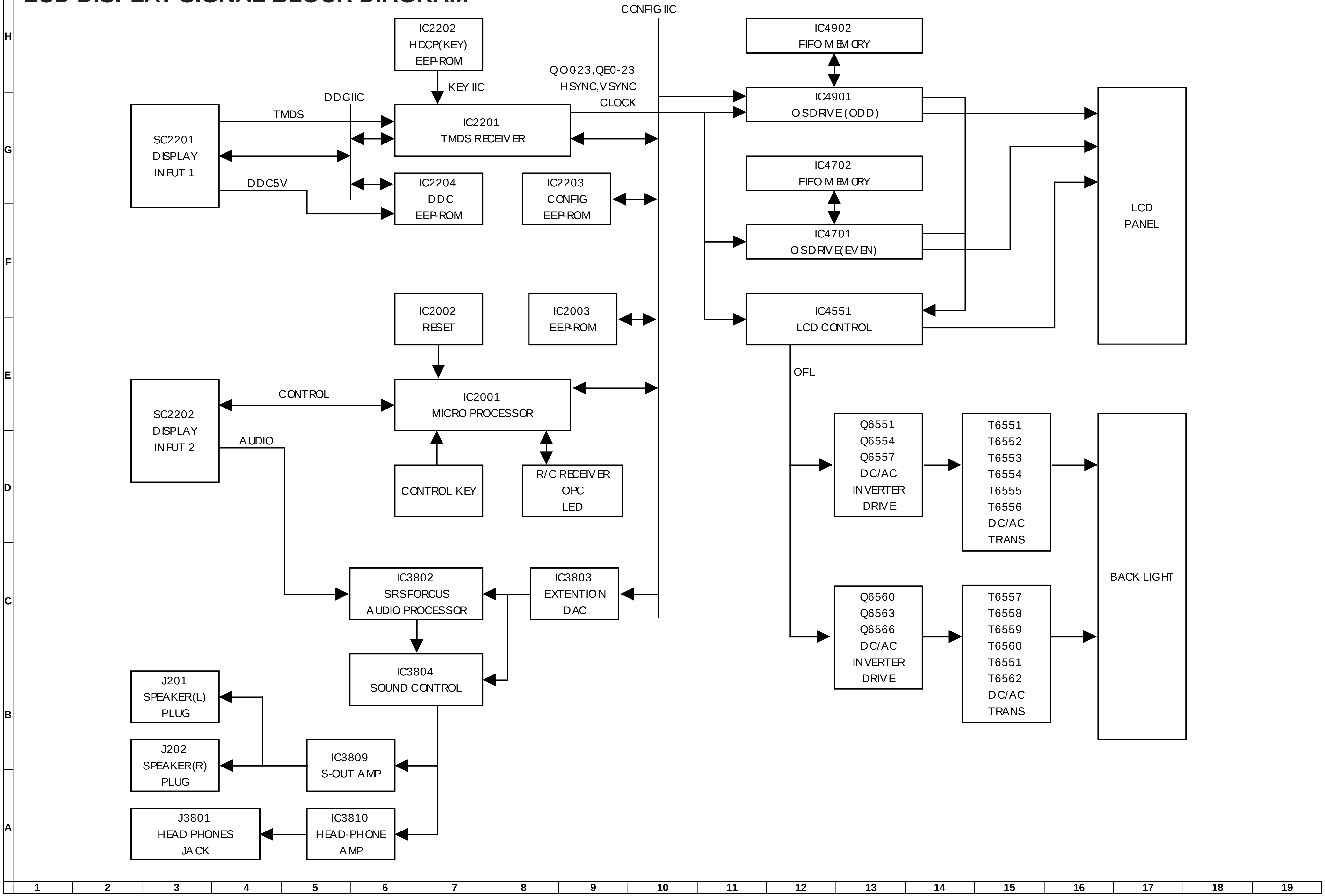
10
11
12
13
14
15
16
17
18
19
CN701
L
M
F701
T2A 250V
LINE FILTER
CN702/CNM701
POWER SW.
SW701
RL701
B
A
D701
IC701
NJM2375A
1.2V
36V
8
ZERO CURRENT DETECTER
5
R704
1.6V/8.0V
5.8V
2.5V REFERENCE VOLTAGE
UVLO
10.4V/7.8V
L703
TIMER R
16V
10
DELAY CIRCUIT
RS LATCH
DRIVE OUTPUT
7
Q701
2SK2662
FILTER CIRCUIT
4
R709
20k
10PF
R706
CURRENT SENSE COMPARATOR
1.5V
C712
OVER VOLTAGE COMPARATOR
1.0Vref
ERROR AMP
Vref
1
R702
//703
3
MULTIPLLER
QUICK START
C734
C709
R710
6
2
C711
Q702
R709
R712
D707
D708
F702
T2A 250V
C719
Q707
DTA124
D709
C722
PC702B
PC123FY
D702
R707
//708
R713
C708
PC703B
PC123FY
PC704B
PC123FY
R739
R740
C732
Q709
DTA143ESA
Q708
DTC124ESA
D717
D703
Q704
2SC1741AS
PC701B
PC123FY
R715
//716
R717
R718
R726
Q703
2SK2700
R721
C717
D704
R720
R719
C716
R725
R724
D706
R722
D706
R722
C718
PRIMARY
SECONDARY
T701
D710
C723
//724
//725
D711
(12V)
R730
R731
R729
R732
C726
IC703
TA76431S
L704
R733
R734
//735
C723
CN703
M+10V
5
6
7
9
10
GND
11
PC701A
PC123FY
CSEN1(SEV)
12
PC704A
PC123FY
T701
D713
L705
BUS5V
2
R736
R732
R738
IC702 TNY264P
POWER CONTROLLER
BYPASS
1
REGULATOR
5.8V
DRAIN
5
C728
PC703A
PC123FY
PC702A
PC123FY
Q706
PS-ON SW.
D714
D715
(4.3V)
Q705
RELAY DRIVER
PS-ON
1
GND
3
A
B
LINE UNDER-VOLTAGE
240μA
50μA
C721
AUTO-RESTART COUNTER
RESET
5.8V
4.8V
BYPASS PIN UNDER-VOLTAGE
CURRENT LIMIT STATE MACHINE
VI LIMIT
CURRENT LIMIT COMPARATOR
ENABLE
JITTER CLOCK
DC MAX
OSCILLATOR
THERMAL SHUTDOWN
EN/UV
4
1.0V
+VT
1.0V
6.3V
S
Q
R
Q
LEADING EDGE BLANKING
SOURCE 2.3

PC I/F BLOCK DIAGRAM


CPCI-00 56CE
12pin TO CONNECTOR PWB
CN8
CLR_ SW
PC _H
PC_V
PC_C
MAIN _H D
MAIN_VD
HV SEL
V0 Sync Sel
IC411 74LCX157
1B 2B 4B 1A 2A 4A -A /+B
1Y 2Y 4Y
OV0 _H
OV0_V
PC_ C3
X4 25MHz
X6 25.175MHz
X5 79.794MHz
VGA_OE
WXGA_OE
CXA3506R VCO WHISKER CORRECTION CIRCUIT IC423, IC424
OV0_PDEN
OV0_HSYNR
12V->5VReg IC7 PQ05TZ11
FPC 30pin TO MAIN PWB
CN6
PC_R
PC_G
PC_B
RIN2 GIN2 BIN2
SYNCIN1 SYNCIN2 HOLD CLPIN DIVOUT 1/2C LK
MAI N_R
MAI N_G
MAI N_B
V0 A/D Amp PLL
IC4 CXA3506R
I²C=CH2
OV0_CLP
OV0_HSC2
OVCLK(Max60MHz)
RA[7..0] RB[7..0] GA[7..0] GB[7..0] BA[7..0] BB[7..0]
12V->9V R eg IC415 B A09FP
VIDEO SIGNAL PEAK DETECTION
ROUT GOUT BOUT
ACL_S IG
XPOWERSAVE
XPW R_SV
5V->3.3V Reg IC8 PQ20VZ11
SUB _Y
SUB_ Cb
SUB_ Cr
AIN BIN CIN
V1 A/D
IC310 TLC5733A
AO[8..1] BO[8..1] CO[8..1]
V1 ADC RT, RB SETTING CIRCUIT
3.27V
1.17V
RT RB CLK EXTCLP - OE
OV1_VCKO (15M Hz)
OV1_CLP
SAD C_OE
V1 PLL
IC328 TLC2933IPW
About 60MHz
VCOOUT
FIN-A FIN-B PFDINH
OV1_HSNR
OV1_HSNF
OV1_PDEN
SUB _HD
SUB _VD
THERMO
BSREQ
V1 Sync& Clock Sel
IC421 74LCX157
OV1 _H
OV1_V
OV1_VCLK
CD_HD
CD_VD
CD_CLK
SEL _CD
FPC 40pin (TO PC CARD UNIT) MOUNTED ON CE10 ONLY I2C=CH4, SERIAL=CH1
CN10
Y 39..32
C 30..23
TXD 1_T
RXD 1_T
CAR D_RST
PXOE
MCK_REF V0_HSYNC V0_VSYNC V0_CSYNC V0_PDEN V0_HSYNR V0_CLP V0_HSYNC2 V0_VDCLK_I V0_RA[7.0] V0_RB[7.0] V0_GA[7.0] V0_GB[7..0] V0_BA[7.0] V0_BB[7.0]
V1_GA[7.0] V1_BA[7.0] V1_RA[7.0] V1_VDCLK_O V1_CLP V1_HSYNR V1_HSYNF V1_PDEN V1_HSYNC V1_VSYNC V1_VDCLK_I
CVIC
IC25
DCLK DO_RA[9.2] DO_GA[9.2] DO_BA[9..2] LCLK DO_HSYNC DO_VSYNC DO_HDISP BINT BCLK XBCS BWAIT XRESET PLL_S BD,BA
LCLK(79.79 4MHz)
DO_HS YNC
DO_VS YNC
DO_HD ISP
SDRAM BUS D:128,A:11,BA:2,Ctrl:13 SDCLK=100MHz
SDRAM 512Kx128bitx4 BANK
IC319-322 HY57V653220BTC-7 4 PCS.
5V->3.3V R eg IC412 PQ1R33
PanelLink HDCP Transmitter
IC413 Sil168
I²C=CH1
D[23..16] D[15..8] D[7..0] IDCK+ HSYNC VSYNC DE
MDA MCK TX
EDGE RST
EEPROM IC414 M24C32
TMDS(4ch)
CN3
DVI
I²C=CH1 (TO MONITOR)
HOTPLUG
16
CN9
13pin (TO MAIN PWB) POWER CONNECTOR
1:VD+5
3:VA+5
5,6:VD+2.5
8:VD+3.3
10:V-5
12:VA+12
13:VD+5BK
RESET CIRCUIT +2.5V IC19 PST623XW +3.3V IC2 PST600IW
MON_DET
RST _PL
VGA_ OE
WXGA_OE
PTB3 PTA1 RESETP PTD6 CKE CE2A
IRQ3 IRQ4 IRQ0
-C1_I NT
XPWR SV
HVSEL
SEL CD
SAD C OE
CAR D RST
PXOE
THER MO
B SREO
CLR_ SW
PTC5 PTA0 PTD7 PTE6 PTB7 PTC7 AN7 PTE6 PTD4
TXD1 RXD1 TXD0 RXD0 CKIO CS2 WAIT PTD2 PTD5
TXD 1_T
RXD 1_T
TXD0_M
RXD0_M
CKIO(24MHz)
-CS2
-WAIT_C1
-RESET_C1
RST_PLL
CPU BUS D:16,A:26
CPU
INTERNAL 72MHz EXTERNAL 24MHz
IC1 SH7709
I²C PORT
CH1 Do:PTB4,Di:PTG5,Clk:PTB5
CH2 Do:PTC1,Di:PTF2,Clk:PTC2
CH3 Do:PTA6,Di:PTG6,Clk:PTA7
CH4 Do:PTD0,Di:PTG4,Clk:PTA4
TXD2 RXD2 CTS2 RTS2
RS232C Driver& Reciever
IC405 uPD4721G
CN5 RS232C SERIAL=CH2
IRQ1 PTG2 PTJ4 PTJ5 PTE3 PTE2 PTE1 PTC4 PTC0 PTB2 PTB0 PTJ7 PTA5 PTA3
SSYSTEM KOUTEI DAC DATA DAC CLK ACL SW RES OUT3 SRESET TV COL2 TV_COL1 HPMUTE LMUTE SH ON AWC S R AWC S_W
AN0 AN1 AN4 AN3 AN6 AN5
AG C1 AG C2 AF T1 AF T2 PSE L1 PSE L2
PTG1 PTC6
AW_ DATA
FPC 50pin (TO MAIN PWB) I2C=CH1,2,3, SERIAL=CH1
CN8
SERIAL CONNECTION FOR CE01 ONLY (R1081, R1080)
CVIC INTERNAL SUPPLY VOLTAGE SELECTOR R1077 MOUNTED: VD+2.5V=2.5V R1078 MOUNTED: VD+2.5V=1.8V
R1077
R1078
R1105
R1106
CVIC INTERNAL SUPPLY VOLTAGE MONITOR R1105 MOUNTED: VD+2.5V=2.5V R1106 MOUNTED: VD+2.5V=1.8V
D[15..0],A[25..0] PTD1 PTF0 PTE1 SCK1 SCK2 EXTAL XTAL PTB6 PTE7 AN2
X1 6MHz
X3 1.8432MHz
FLAS HWP
FLASH 2Mx16bit IC27 LH28F320S3NS -C S0
WP STS VPP A20
FST ATUS
FLWP
DRAM 1Mx16bit IC28 MSM51V18165D
EEPROM IC3 AT24C128N I²C=CH3
A20
S1
IO_STB
PC DDC DETECT
PC_V
ACL_S IG
SENCE
SMPOW
CSEN1
CCKM
CSEN2
FLASH_W
SRST
FWMODEN
CN1 15pin SERIAL=CH0
FLASH WRITE AT FWMODEN=LOW
H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

LCD DISPLAY SIGNAL BLOCK DIAGRAM


CONFIG IIC
IC2202
HDCP(KEY)
EEP-ROM
KEY IIC
QO0-23,QE0-23
HSYNC,VSYNC
CLOCK
IC4902
FIFO MEMORY
IC4901
OSDRIVE(ODD)
DDCIIC
TMDS
SC2201
DISPLAY
INPUT 1
IC2201
TMDS RECEIVER
DDC5V
IC2204
DDC
EEP-ROM
IC2203
CONFIG
EEP-ROM
IC4702
FIFO MEMORY
IC4701
OSDRIVE(EVEN)
LCD
PANEL
IC2002
RESET
IC2003
EEP-ROM
IC4551
LCD CONTROL
OFL
SC2202
DISPLAY
INPUT 2
CONTROL
IC2001
MICRO PROCESSOR
AUDIO
CONTROL KEY
R/C RECEIVER
OPC
LED
Q6551
Q6554
Q6557
DC/AC
INVERTER
DRIVE
T6551
T6552
T6553
T6554
T6555
T6556
DC/AC
TRANS
BACK LIGHT
IC3802
SRSFORCUS
AUDIO PROCESSOR
IC3803
EXTENTION
DAC
Q6560
Q6563
Q6566
DC/AC
INVERTER
DRIVE
T6557
T6558
T6559
T6560
T6551
T6562
DC/AC
TRANS
IC3804
SOUND CONTROL
J201
SPEAKER(L)
PLUG
J202
SPEAKER(R)
PLUG
IC3809
S-OUT AMP
J3801
HEAD PHONES
JACK
IC3810
HEAD-PHONE
AMP
H
G
F
E
D
C
B
A
1
2
3
4
5
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9
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12
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14
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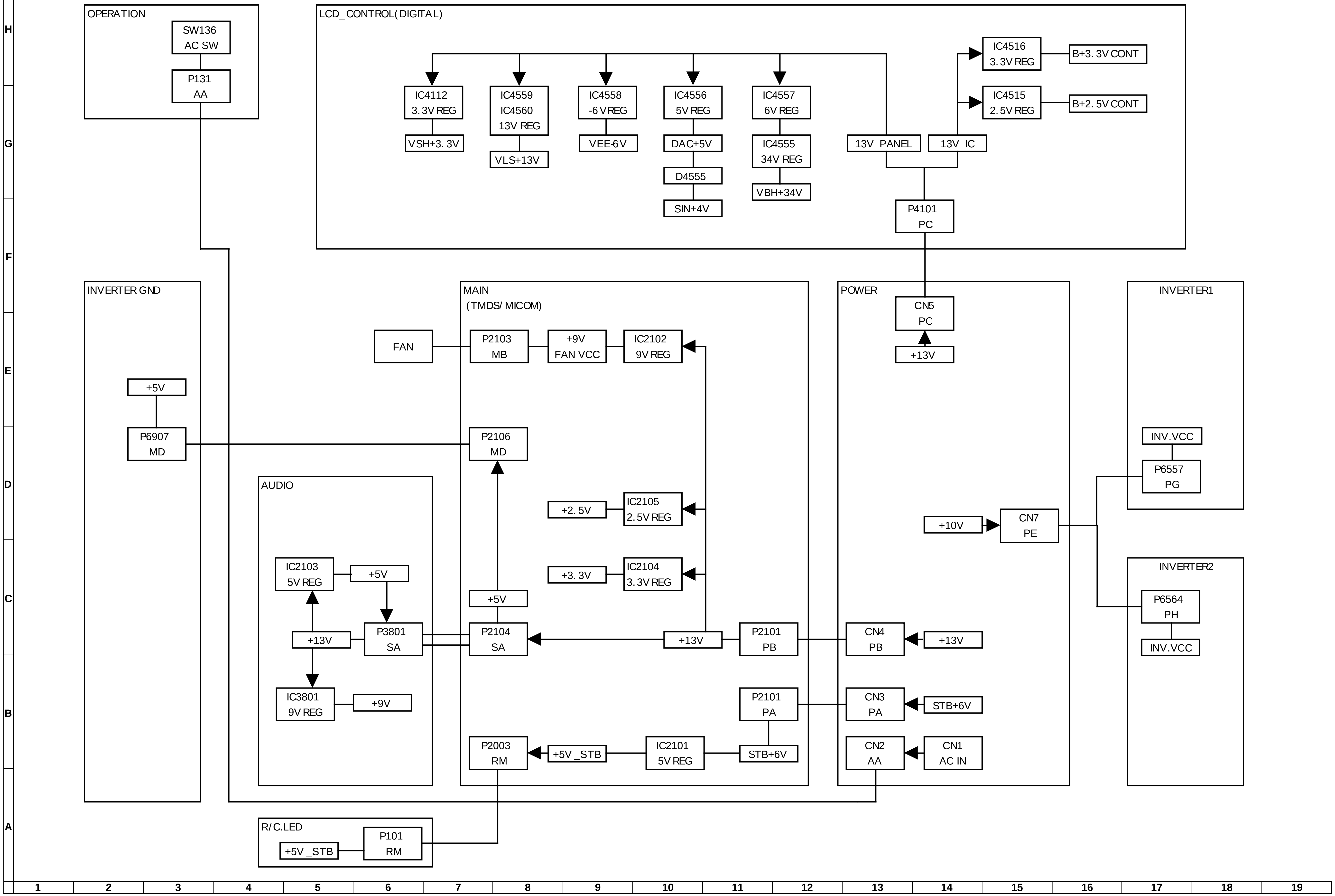
19

LCD DISPLAY POWER UNIT BLOCK DIAGRAM


OPERATION
SW136
AC SW
P131
AA
LCD_CONTROL(DIGITAL)
IC4112
3.3V REG
VSH+3.3V
IC4559
IC4560
13V REG
VLS+13V
IC4558
-6V REG
VEE-6V
IC4556
5V REG
DAC+5V
D4555
SIN+4V
IC4557
6V REG
IC4555
34V REG
VBH+34V
13V PANEL
13V IC
IC4516
3.3V REG
B+3.3V CONT
IC4515
2.5V REG
B+2.5V CONT
P4101
PC
INVERTER GND
+5V
P6907
MD
MAIN
(TMDS/MICOM)
FAN
P2103
MB
+9V
FAN VCC
IC2102
9V REG
P2106
MD
+2.5V
IC2105
2.5V REG
+3.3V
IC2104
3.3V REG
+5V
P2104
SA
+13V
P2101
PB
P2101
PA
P2003
RM
+5V_STB
IC2101
5V REG
STB+6V
AUDIO
IC2103
5V REG
+5V
+13V
P3801
SA
IC3801
9V REG
+9V
POWER
CN5
PC
+13V
+10V
CN7
PE
CN4
PB
+13V
CN3
PA
STB+6V
CN2
AA
CN1
AC IN
INVERTER1
INV.VCC
P6557
PG
INVERTER2
P6564
PH
INV.VCC
R/C.LED
+5V_STB
P101
RM
H
G
F
E
D
C
B
A
1
2
3
4
5
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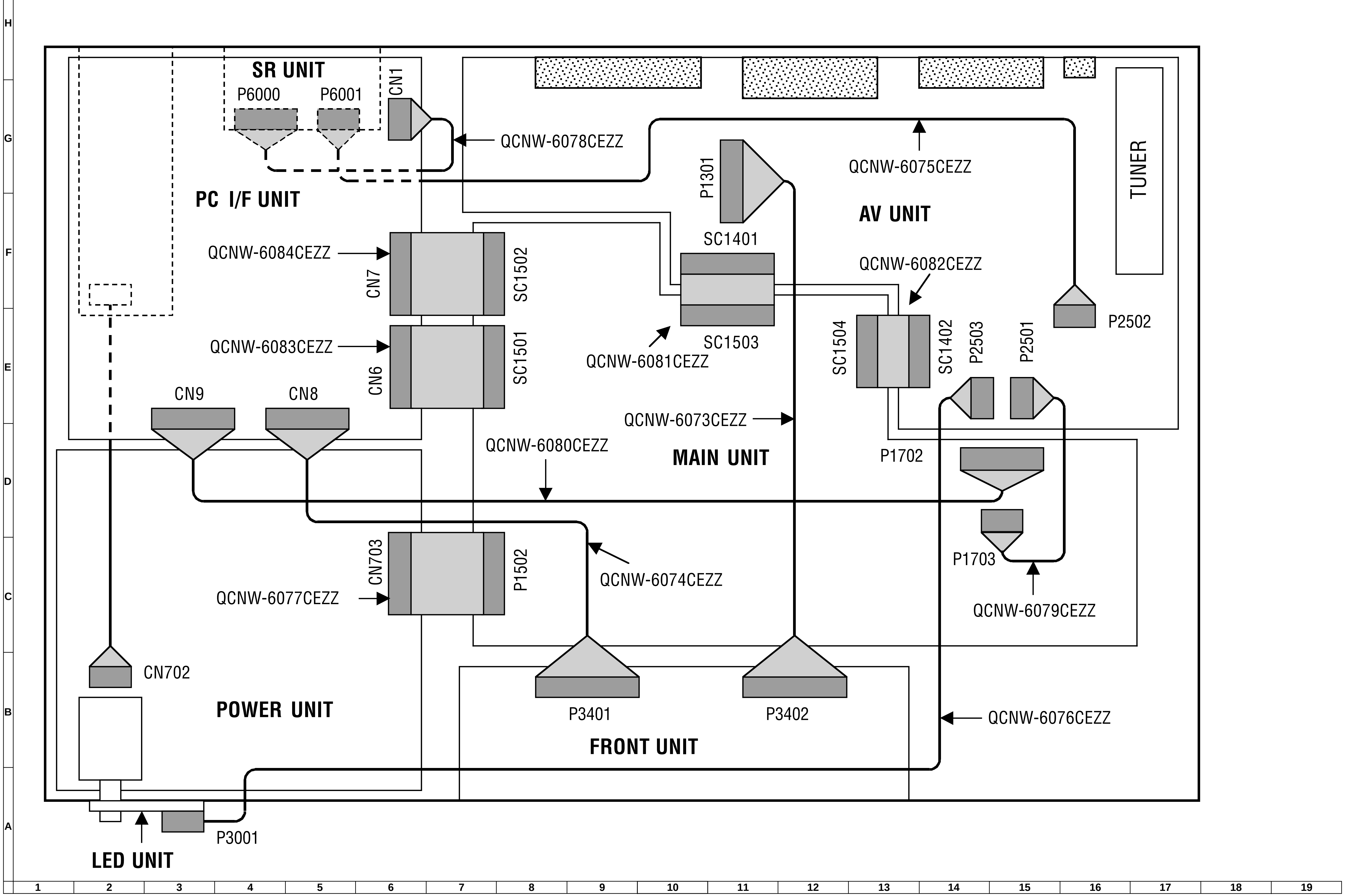
AVC OVERALL WIRING DIAGRAM-1/2


SR UNIT
P6000
P6001
CN1
QCNW-6078CEZZ
QCNW-6075CEZZ
P1301
TUNER
PC I/F UNIT
AV UNIT
SC1401
QCNW-6084CEZZ
CN7
SC1502
QCNW-6082CEZZ
P2502
QCNW-6083CEZZ
CN6
SC1501
SC1503
QCNW-6081CEZZ
SC1504
SC1402
P2503
P2501
CN9
CN8
QCNW-6073CEZZ
QCNW-6080CEZZ
MAIN UNIT
P1702
CN703
P1502
QCNW-6074CEZZ
P1703
QCNW-6077CEZZ
QCNW-6079CEZZ
CN702
POWER UNIT
P3401
P3402
QCNW-6076CEZZ
FRONT UNIT
P3001
LED UNIT
H
G
F
E
D
C
B
A
1
2
3
4
5
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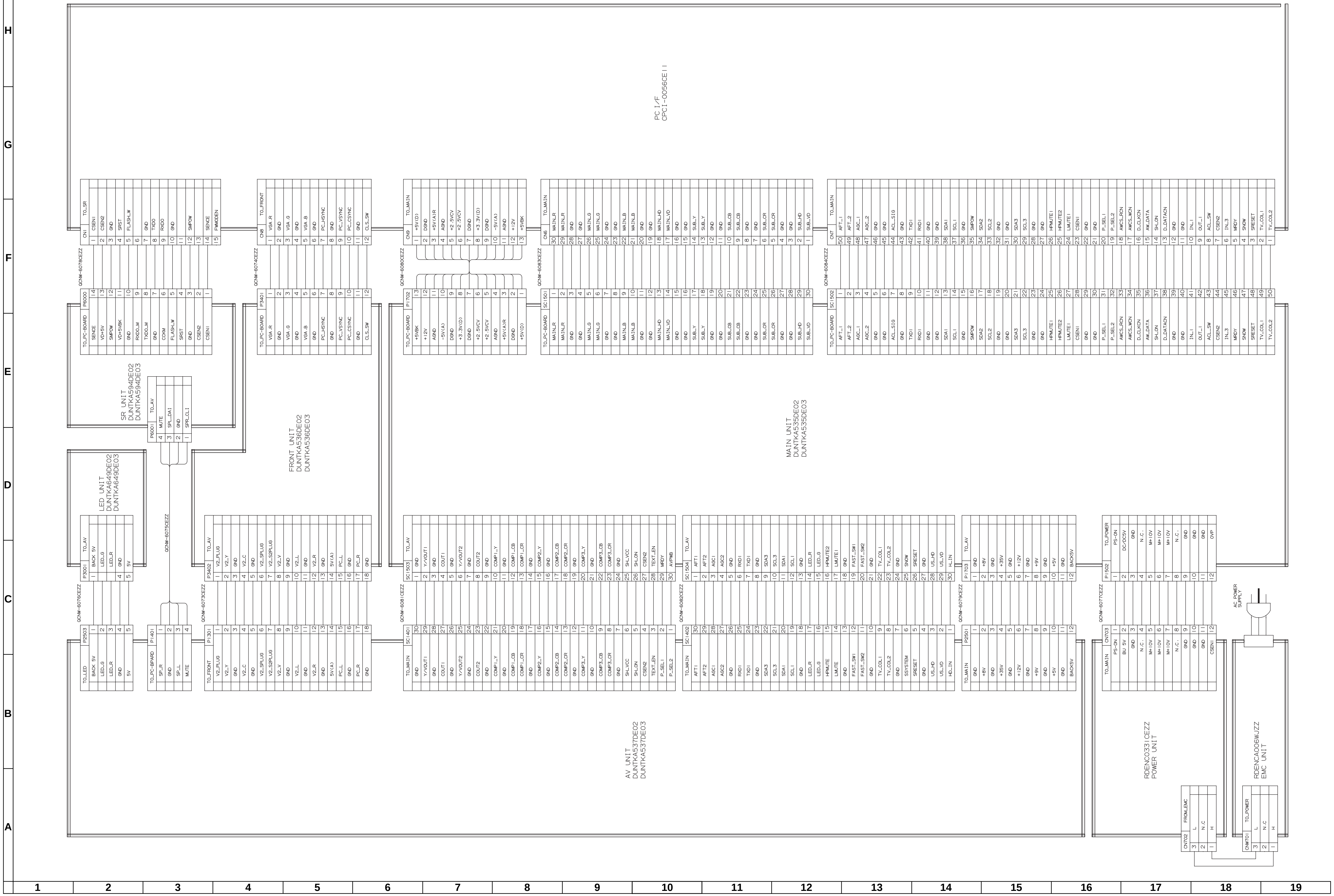
AVC OVERALL WIRING DIAGRAM-2/2


PC I/F
CPCI-0056CE11
CN1 TO_SR
CN8 TO_FRONT
CN9 TO_MAIN
CN6 TO_MAIN
CN7 TO_MAIN
QCNW-6078CEZZ
QCNW-6074CEZZ
QCNW-6080CEZZ
QCNW-6083CEZZ
QCNW-6084CEZZ
P6000 TO_PC-BOARD
P3401 TO_PC-BOARD
P1702 TO_PC-BOARD
SC1501 TO_PC-BOARD
SC1502 TO_PC-BOARD
SR UNIT
DUNTKA594DE02
DUNTKA594DE03
P6001 TO_AV
FRONT UNIT
DUNTKA536DE02
DUNTKA536DE03
MAIN UNIT
DUNTKA535DE02
DUNTKA535DE03
LED UNIT
DUNTKA649DE02
DUNTKA649DE03
QCNW-6075CEZZ
P3001 TO_AV
P3402 TO_AV
SC1503 TO_AV
SC1504 TO_AV
P1703 TO_AV
P1502 TO_POWER
QCNW-6076CEZZ
QCNW-6073CEZZ
QCNW-6081CEZZ
QCNW-6082CEZZ
QCNW-6079CEZZ
QCNW-6077CEZZ
AC POWER SUPPLY
P2503 TO_LED
P1401 TO_PC-BOARD
P1301 TO_FRONT
SC1401 TO_MAIN
SC1402 TO_MAIN
P2501 TO_MAIN
CN703 TO_MAIN
AV UNIT
DUNTKA537DE02
DUNTKA537DE03
RDENC0331CEZZ
POWER UNIT
RDENCA006WJZZ
EMC UNIT
CN702 FROM_EMC
CN7701 TO_POWER
A
B
C
D
E
F
G
H
1
2
3
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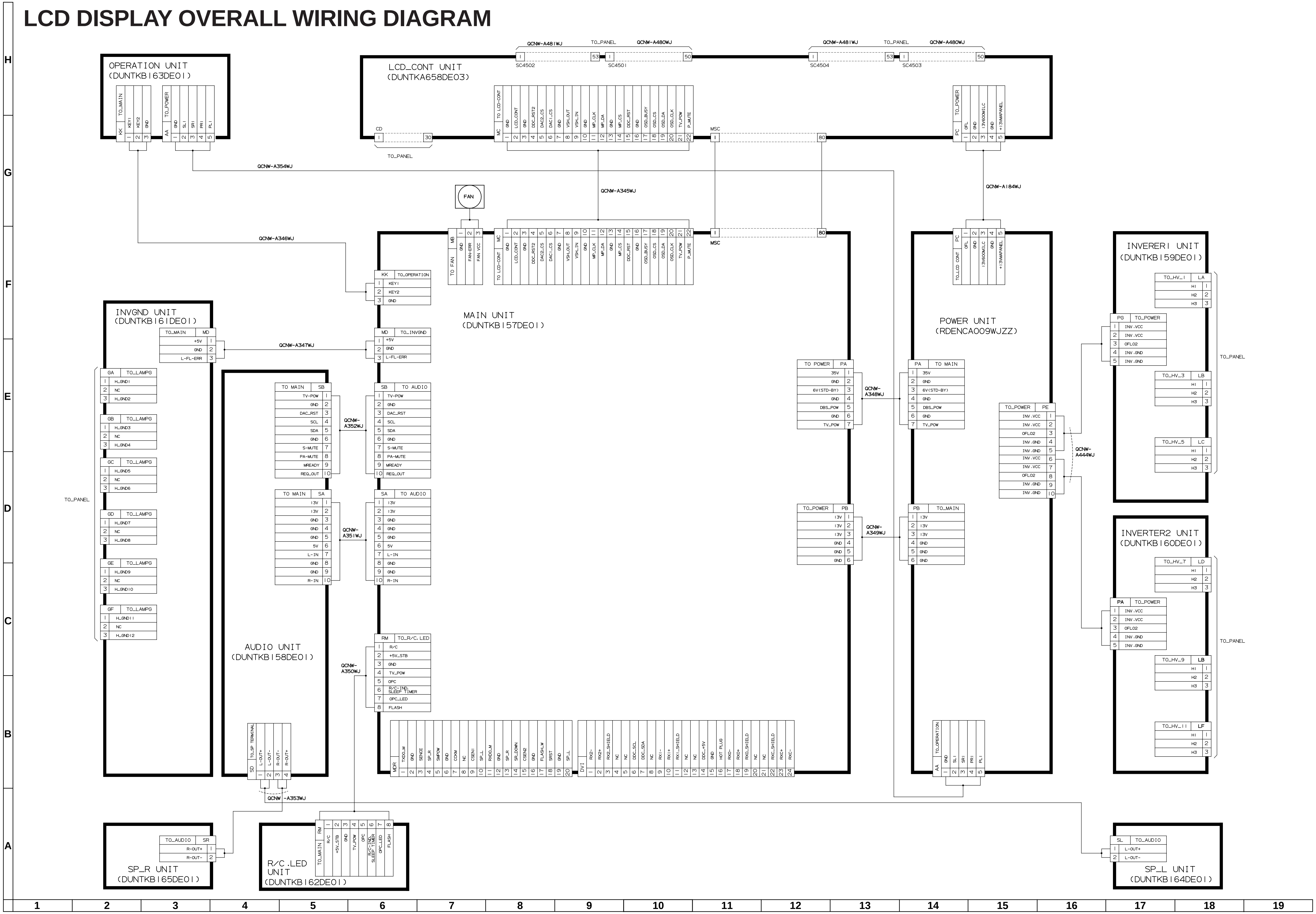
LCD DISPLAY OVERALL WIRING DIAGRAM


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
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12
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14
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19
OPERATION UNIT (DUNTKB163DE01)
KK TO_MAIN 1 KEY1 2 KEY2 3 GND
AA TO_POWER 1 GND 2 SL1 3 SR1 4 PR1 5 PL1
LCD_CONT UNIT (DUNTKA658DE03)
QCNW-A481WJ
TO_PANEL
QCNW-A480WJ
SC4502
SC4501
SC4504
SC4503
CD
TO_PANEL
MC TO LCD-CONT 1 GND 2 LCD_CONT 3 GND 4 DDC_RST2 5 DAC2_CS 6 DAC1_CS 7 GND 8 VSH_OUT 9 VSH_IN 10 GND 11 MP_CLK 12 MP_DA 13 GND 14 MP_CS 15 DDC_RST 16 GND 17 OSD_BUSY 18 OSD_CS 19 OSD_DA 20 OSD_CLK 21 TV_POW 22 P_MUTE
MSC
PC TO_POWER 1 OFL 2 GND 3 13V60MILC 4 GND 5 +13VMPANEL
QCNW-A354WJ
QCNW-A345WJ
QCNW-A184WJ
QCNW-A346WJ
FAN
MB TO FAN 1 GND 2 FAN-ERR 3 FAN VCC
PC TO_LCD CONT 1 OFL 2 GND 3 13V60MILC 4 GND 5 +13VMPANEL
KK TO_OPERATION 1 KEY1 2 KEY2 3 GND
MAIN UNIT (DUNTKB157DE01)
POWER UNIT (RDENCA009WJZZ)
INVERER1 UNIT (DUNTKB159DE01)
INVGND UNIT (DUNTKB161DE01)
TO_MAIN MD +5V 1 GND 2 L-FL-ERR 3
QCNW-A347WJ
MD TO_INVGND 1 +5V 2 GND 3 L-FL-ERR
GA TO_LAMPG 1 H_GND1 2 NC 3 H_GND2
GB TO_LAMPG 1 H_GND3 2 NC 3 H_GND4
GC TO_LAMPG 1 H_GND5 2 NC 3 H_GND6
GD TO_LAMPG 1 H_GND7 2 NC 3 H_GND8
GE TO_LAMPG 1 H_GND9 2 NC 3 H_GND10
GF TO_LAMPG 1 H_GND11 2 NC 3 H_GND12
TO_PANEL
TO MAIN SB TV-POW 1 GND 2 DAC_RST 3 SCL 4 SDA 5 GND 6 S-MUTE 7 PA-MUTE 8 MREADY 9 REQ_OUT 10
QCNW-A352WJ
SB TO AUDIO 1 TV-POW 2 GND 3 DAC_RST 4 SCL 5 SDA 6 GND 7 S-MUTE 8 PA-MUTE 9 MREADY 10 REQ_OUT
TO MAIN SA 13V 1 13V 2 GND 3 GND 4 GND 5 5V 6 L-IN 7 GND 8 GND 9 R-IN 10
QCNW-A351WJ
SA TO AUDIO 1 13V 2 13V 3 GND 4 GND 5 GND 6 5V 7 L-IN 8 GND 9 GND 10 R-IN
AUDIO UNIT (DUNTKB158DE01)
QCNW-A350WJ
RM TO_R/C.LED 1 R/C 2 +5V_STB 3 GND 4 TV_POW 5 OPC 6 R/C-IND. SLEEP TIMER 7 OPC_LED 8 FLASH
TO POWER PA 35V 1 GND 2 6V(STD-BY) 3 GND 4 DBS_POW 5 GND 6 TV_POW 7
QCNW-A348WJ
PA TO MAIN 1 35V 2 GND 3 6V(STD-BY) 4 GND 5 DBS_POW 6 GND 7 TV_POW
TO_POWER PB 13V 1 13V 2 13V 3 GND 4 GND 5 GND 6
QCNW-A349WJ
PB TO_MAIN 1 13V 2 13V 3 13V 4 GND 5 GND 6 GND
TO_POWER PE INV.VCC 1 INV.VCC 2 OFL02 3 INV.GND 4 INV.GND 5 INV.VCC 6 INV.VCC 7 OFL02 8 INV.GND 9 INV.GND 10
QCNW-A444WJ
TO_HV_1 LA H1 1 H2 2 H3 3
PG TO_POWER 1 INV.VCC 2 INV.VCC 3 OFL02 4 INV.GND 5 INV.GND
TO_HV_3 LB H1 1 H2 2 H3 3
TO_HV_5 LC H1 1 H2 2 H3 3
TO_PANEL
INVERTER2 UNIT (DUNTKB160DE01)
TO_HV_7 LD H1 1 H2 2 H3 3
PA TO_POWER 1 INV.VCC 2 INV.VCC 3 OFL02 4 INV.GND 5 INV.GND
TO_HV_9 LB H1 1 H2 2 H3 3
TO_HV_11 LF H1 1 H2 2 H3 3
TO_PANEL
SD TO_SP TERMINAL 1 L-OUT+ 2 L-OUT- 3 R-OUT- 4 R-OUT+
QCNW-A353WJ
MDR 1 TXD0_M 2 GND 3 SENCE 4 SP_R 5 SWPOW 6 GND 7 CCKM 8 NC 9 CSEN1 10 SP_L 11 RXD0_M 12 GND 13 SP_R 14 SR_DOWN 15 CSEN2 16 GND 17 FLASH_W 18 SRST 19 GND 20 SP_L
DVI 1 RX2- 2 RX2+ 3 RX2_SHIELD 4 NC 5 NC 6 DDC_SCL 7 DDC_SDA 8 NC 9 RX1- 10 RX1+ 11 RX1_SHIELD 12 NC 13 NC 14 DDC_+5V 15 GND 16 HOT PLUG 17 RX0+ 18 RX0- 19 RX0_SHIELD 20 NC 21 NC 22 RXC_SHIELD 23 RXC+ 24 RXC-
AA TO_OPERATION 1 GND 2 SL1 3 SR1 4 PR1 5 PL1
TO_AUDIO SR R-OUT+ 1 R-OUT- 2
SP_R UNIT (DUNTKB165DE01)
RM TO_MAIN 1 R/C 2 +5V_STB 3 GND 4 TV_POW 5 OPC 6 R/C-IND. SLEEP TIMER 7 OPC_LED 8 FLASH
R/C.LED UNIT (DUNTKB162DE01)
SL TO_AUDIO 1 L-OUT+ 2 L-OUT-
SP_L UNIT (DUNTKB164DE01)

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour bar signal of colour bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 kΩ/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour density, lightness and colour hue are set to the center position, and the signal of colour bar generator for service is observed to get waveform.
2. ○➤ indicates waveform check points (See chart, waveforms are measured from point indicated to chassis ground.)

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance "Ω" is omitted.
   (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted.
   (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are Carbon type, unless otherwise noted.
   Ⓒ: Solid Ⓦ : Cement
   Ⓢ: Oxide Film Ⓣ : Special
   Ⓝ: Metal Coating

CAPACITOR

1. All capacitors are mF, unless otherwise noted.
   (P=pF=mmF).
2. All capacitors are Ceramic type, unless otherwise noted.
   (ML) : Mylar (TA) : Tantalum
   (PF) : Polypro Film (ST) : Styrol

CAUTION:

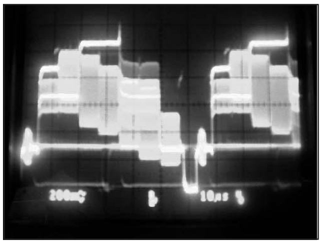
This circuit diagram is original one, therefore there may be a slight difference from yours.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠" (▬)ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

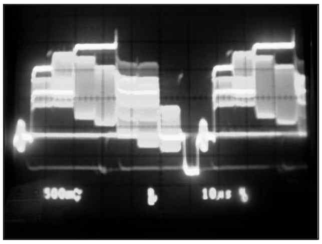
WAVEFORMS

①



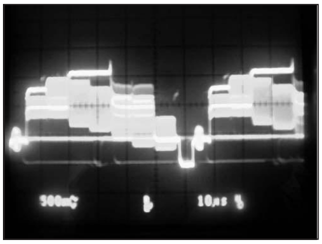
IC1301 63-pin
V: 200mV/div H: 10µsec/div

②



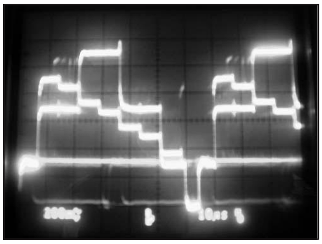
IC1301 56-pin
V: 500mV/div H: 10µsec/div

③



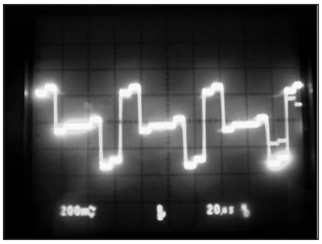
IC405 1.2-pin
V: 500mV/div H: 10µsec/div

④



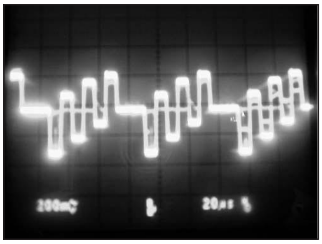
IC801 1-pin
V: 200mV/div H: 10µsec/div

⑤



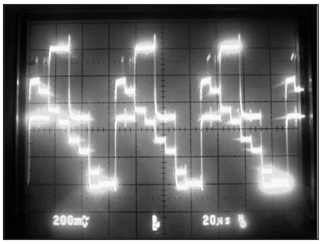
IC803 TP801
V: 200mV/div H: 20µsec/div

⑥



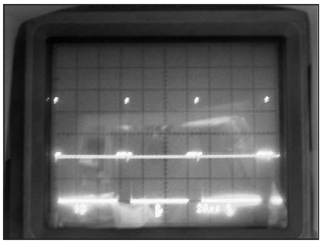
IC803 TP802
V: 200mV/div H: 20µsec/div

⑦



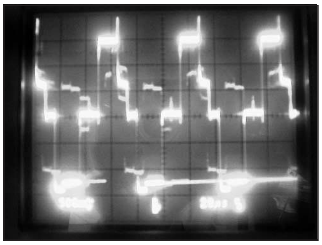
IC803 TP803
V: 200mV/div H: 20µsec/div

⑧



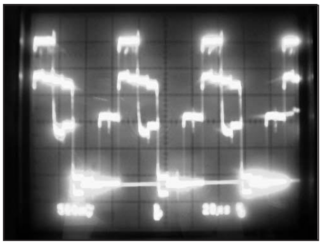
IC803 31-pin
V: 1V/div H: 20µsec/div

⑨



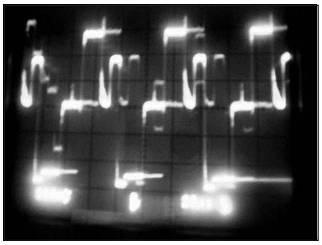
IC810 13-pin
V: 500mV/div H: 20µsec/div

⑩



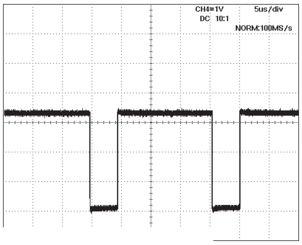
IC810 11-pin
V: 500mV/div H: 20µsec/div

⑪



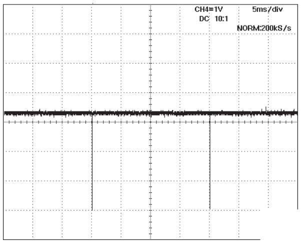
IC810 10-pin
V: 500mV/div H: 20µsec/div

⑫



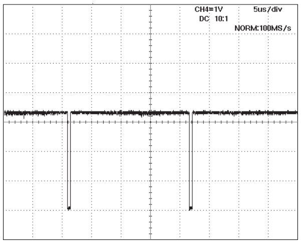
IC2201 95-pin
V: 1V/div H: 5µsec/div

⑬



IC2201 96-pin
V: 1V/div H: 5msec/div

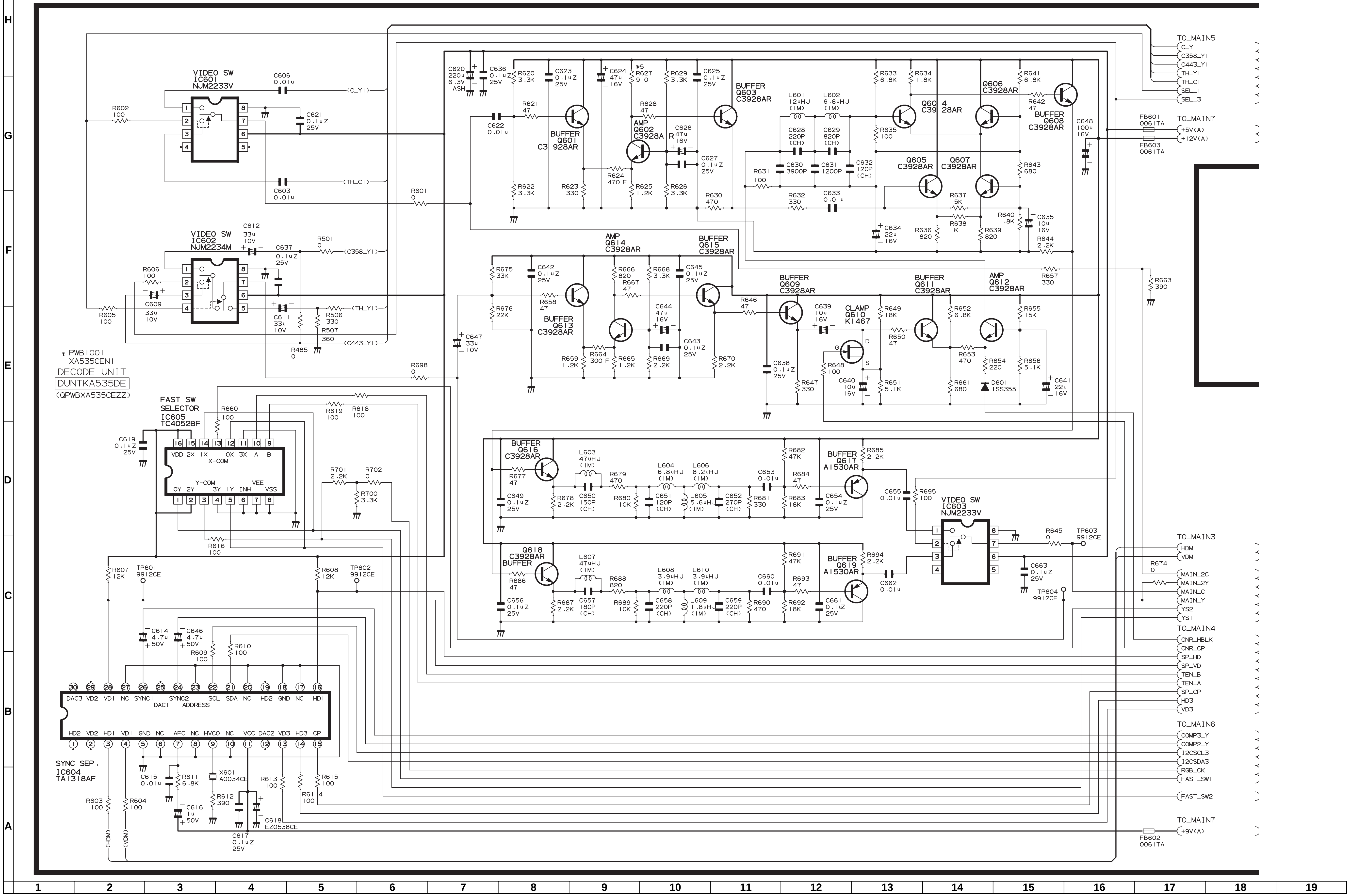
⑭



IC2201 97-pin
V: 1V/div H: 5µsec/div

■ MAIN UNIT (AVC) -1/6

MAIN2


VIDEO SW IC601 NJM2233V
VIDEO SW IC602 NJM2234M
VIDEO SW IC603 NJM2233V
FAST SW SELECTOR IC605 TC4052BF
SYNC SEP. IC604 TA1318AF
BUFFER Q601 C3928AR
AMP Q602 C3928AR
BUFFER Q603 C3928AR
Q604 C3928AR
Q605 C3928AR
Q606 C3928AR
Q607 C3928AR
BUFFER Q608 C3928AR
BUFFER Q609 C3928AR
CLAMP Q610 K1467
BUFFER Q611 C3928AR
AMP Q612 C3928AR
BUFFER Q613 C3928AR
AMP Q614 C3928AR
BUFFER Q615 C3928AR
BUFFER Q616 C3928AR
BUFFER Q617 A1530AR
Q618 C3928AR BUFFER
BUFFER Q619 A1530AR
D601 1SS355
X601 A0034CE
C618 EZ0538CE
PWB1001 XA535CEN1
DECODE UNIT
DUNTKA535DE
(QPWBXA535CEZZ)
TO_MAIN5
C_Y1
C358_Y1
C443_Y1
TH_Y1
TH_C1
SEL_1
SEL_3
TO_MAIN7
+5V(A)
+12V(A)
FB601 0061TA
FB603 0061TA
TO_MAIN3
HDM
VDM
MAIN_2C
MAIN_2Y
MAIN_C
MAIN_Y
YS2
YS1
TO_MAIN4
CNR_HBLK
CNR_CP
SP_HD
SP_VD
TEN_B
TEN_A
SP_CP
HD3
VD3
TO_MAIN6
COMP3_Y
COMP2_Y
I2CSCL3
I2CSDA3
RGB_CK
FAST_SW1
FAST_SW2
TO_MAIN7
+9V(A)
FB602 0061TA
TP601 9912CE
TP602 9912CE
TP603 9912CE
TP604 9912CE
(C_Y1)
(TH_C1)
(C358_Y1)
(TH_Y1)
(C443_Y1)
(HDM)
(VDM)
H
G
F
E
D
C
B
A
1
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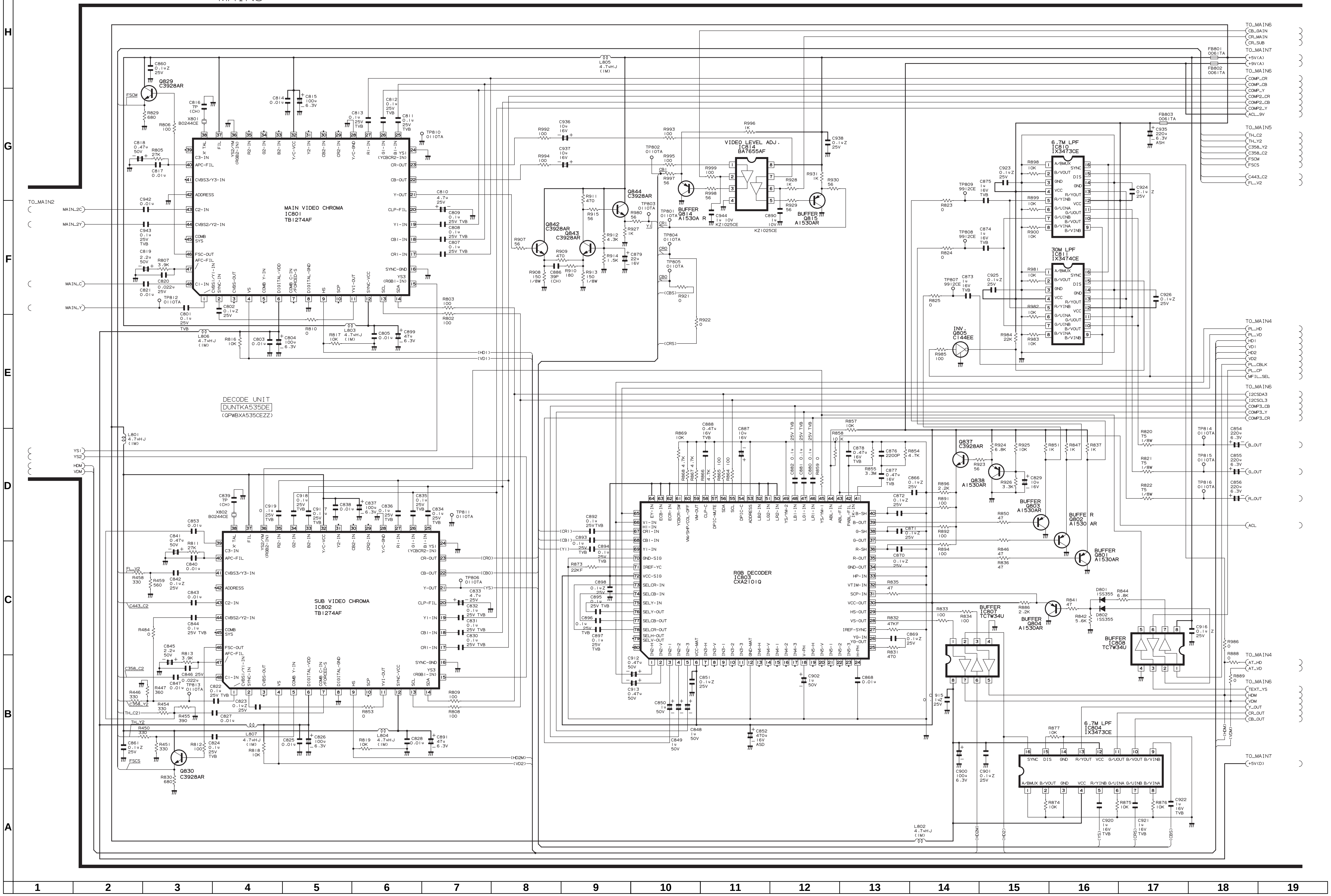
■ MAIN UNIT (AVC) -2/6

MAIN3


MAIN VIDEO CHROMA
IC801
TB1274AF
SUB VIDEO CHROMA
IC802
TB1274AF
RGB DECODER
IC803
CXA2101Q
VIDEO LEVEL ADJ.
IC814
BA7655AF
6.7M LPF
IC810
IX3473CE
30M LPF
IC811
IX3474CE
6.7M LPF
IC804
IX3473CE
BUFFER
IC807
TC7W34U
BUFFER
IC808
TC7W34U
Q829
C3928AR
Q830
C3928AR
Q842
C3928AR
Q843
C3928AR
Q844
C3928AR
BUFFER
Q814
A1530A R
BUFFER
Q815
A1530AR
INV.
Q805
C144EE
Q837
C3928AR
Q838
A1530AR
BUFFER
Q803
A1530AR
BUFFER
Q802
A1530 AR
BUFFER
Q801
A1530AR
BUFFER
Q804
A1530AR
D801
1SS355
D802
1SS355
X801
B0244CE
X802
B0244CE
L801
4.7uHJ
L805
4.7uHJ
L802
4.7uHJ
DECODE UNIT
DUNTKA535DE
(QPWBXA535CEZZ)
TO_MAIN2
MAIN_2C
MAIN_2Y
MAIN_C
MAIN_Y
YS1
YS2
HDM
VDM
TO_MAIN6
CB_GAIN
CR_MAIN
CR_SUB
TO_MAIN7
+5V(A)
+9V(A)
FB801
0061TA
FB802
0061TA
FB803
0061TA
COMP_CR
COMP_CB
COMP_Y
COMP2_CR
COMP2_CB
COMP2_Y
ACL_9V
TO_MAIN5
TH_C2
TH_Y2
C358_Y2
C358_C2
FSCM
FSCS
C443_C2
FL_V2
TO_MAIN4
PL_HD
PL_VD
HD1
VD1
HD2
VD2
PL_CBLK
PL_CP
MFIL_SEL
I2CSDA3
I2CSCL3
COMP3_CB
COMP3_CR
B_OUT
G_OUT
R_OUT
ACL
AT_HD
AT_VD
TEXT_YS
HDM
VDM
Y_OUT
CR_OUT
CB_OUT
+5V(D)
H
G
F
E
D
C
B
A
1
2
3
4
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13
14
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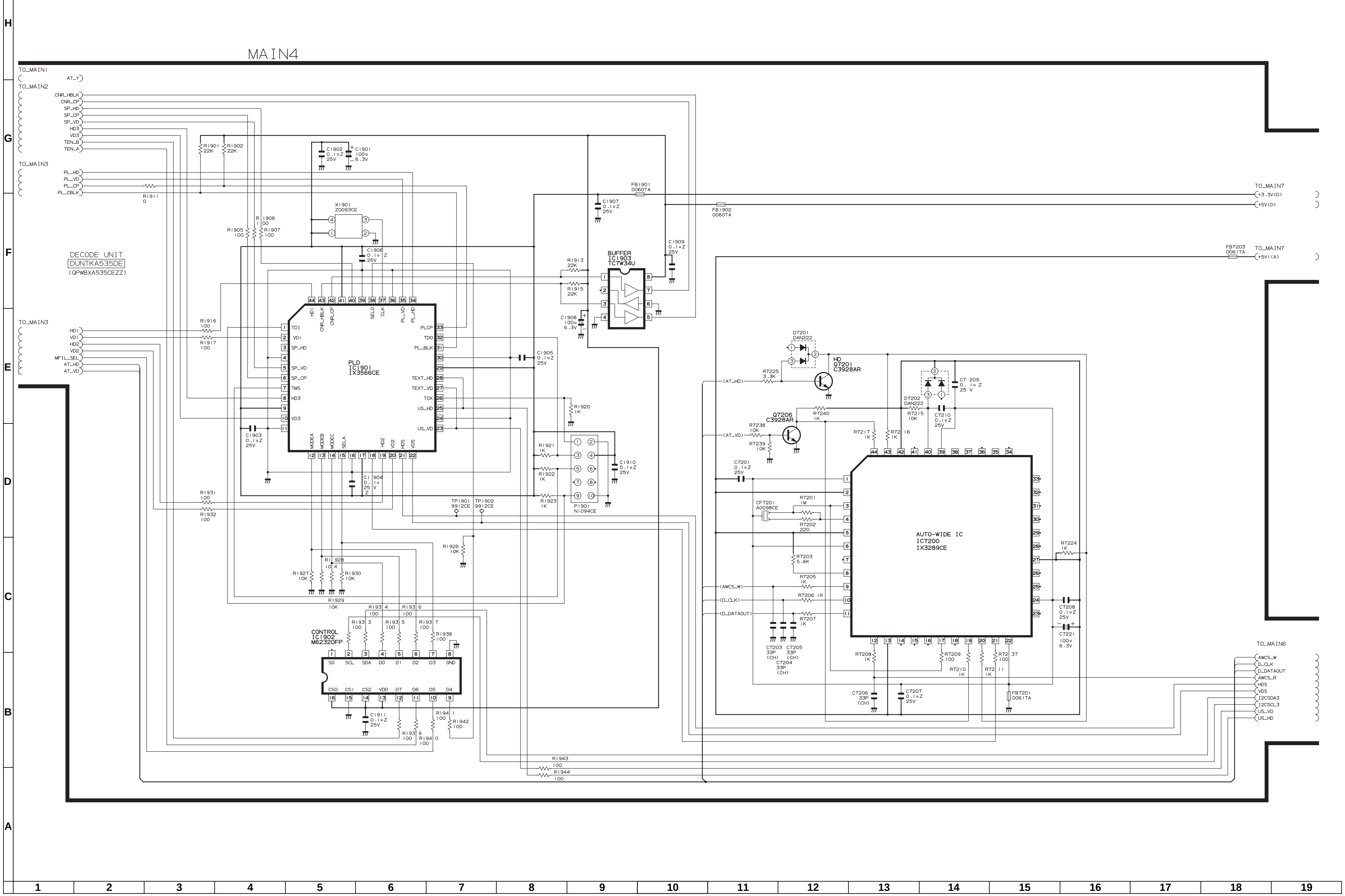
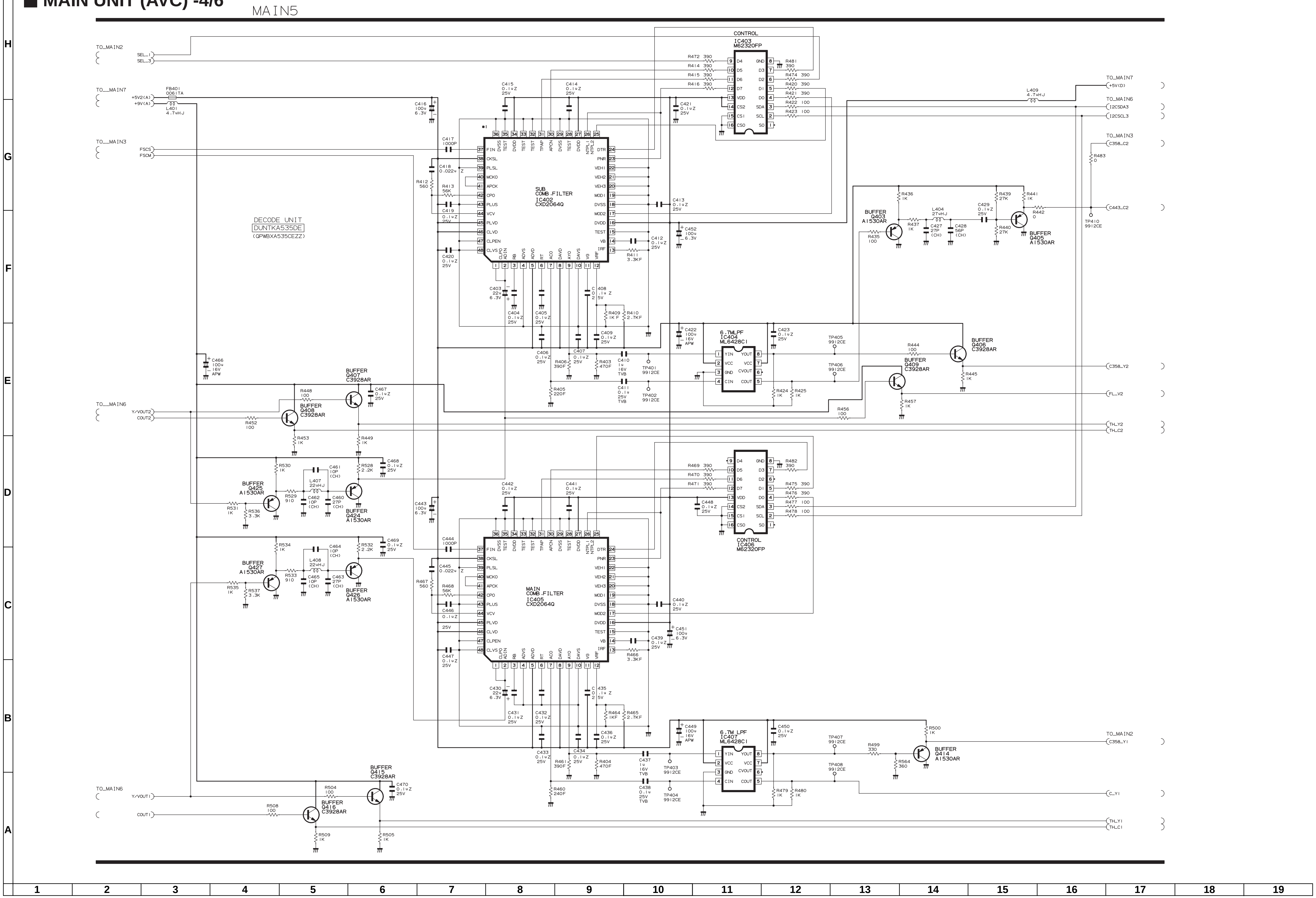
19

■ MAIN UNIT (AVC) -3/6


MAIN4
TO_MAIN1
AT_Y
TO_MAIN2
CNR_HBLK
CNR_CP
SP_HD
SP_CP
SP_VD
HD3
VD3
TEN_B
TEN_A
TO_MAIN3
PL_HD
PL_VD
PL_CP
PL_CBLK
R1911 0
R1901 22K
R1902 22K
C1902 0.1uZ 25V
C1901 100u 6.3V
X1901 Z0093CE
R1905 100
R1906 100
R1907 100
C1906 0.1u Z 25V
DECODE UNIT
DUNTKA535DE
(QPWBXA535CEZZ)
C1907 0.1uZ 25V
FB1901 0060TA
FB1902 0060TA
TO_MAIN7
+3.3V(D)
+5V(D)
FB7203 0061TA
+5V1(A)
C1909 0.1uZ 25V
BUFFER
IC1903
TC7W34U
R1913 22K
R1915 22K
C1908 100u 6.3V
TO_MAIN3
HD1
VD1
HD2
VD2
MFIL_SEL
AT_HD
AT_VD
R1916 100
R1917 100
PLD
IC1901
IX3566CE
TDI
VD1
SP_HD
SP_VD
SP_CP
TMS
HD3
VD3
HD1
CNR_HBLK
CNR_CP
SEL0
CLK
PL_VD
PL_HD
PLCP
TDO
PL_BLK
TEXT_HD
TEXT_VD
TCK
US_HD
US_VD
MODEA
MODEB
MODEC
SELA
HD2
VD2
HDS
VDS
C1905 0.1uZ 25V
C1903 0.1uZ 25V
C1904 0.1u 25V Z
R1920 1K
R1921 1K
R1922 1K
R1923 1K
C1910 0.1uZ 25V
P1901 N1094CE
TP1901 9912CE
TP1902 9912CE
R1931 100
R1932 100
R1926 10K
R1927 10K
R1928 10K
R1929 10K
R1930 10K
R1933 100
R1934 100
R1935 100
R1936 100
R1937 100
R1938 100
CONTROL
IC1902
M62320FP
S0 SCL SDA D0 D1 D2 D3 GND
CS0 CS1 CS2 VDD D7 D6 D5 D4
C1911 0.1uZ 25V
R1939 100
R1940 100
R1941 100
R1942 100
R1943 100
R1944 100
D7201 DAN222
HD
Q7201
C3928AR
R7225 3.3K
(AT_HD)
Q7206
C3928AR
R7240 1K
R7238 10K
R7239 10K
(AT_VD)
D7202 DAN222
C7209 0.1uZ 25V
R7215 10K
C7210 0.1uZ 25V
R7217 1K
R7216 1K
C7201 0.1uZ 25V
CF7201 A0098CE
R7201 1M
R7202 220
R7203 5.6K
R7205 1K
R7206 1K
R7207 1K
(AWCS_W)
(D_CLK)
(D_DATAOUT)
C7203 33P (CH)
C7205 33P (CH)
C7204 33P (CH)
AUTO-WIDE IC
IC7200
IX3289CE
R7224 1K
C7208 0.1uZ 25V
C7221 100u 6.3V
R7208 1K
R7209 100
R7210 1K
R7211 1K
R7237 100
C7206 33P (CH)
C7207 0.1uZ 25V
FB7201 0061TA
TO_MAIN6
AWCS_W
D_CLK
D_DATAOUT
AWCS_R
HDS
VDS
I2CSDA3
I2CSCL3
US_VD
US_HD
H
G
F
E
D
C
B
A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

■ MAIN UNIT (AVC) -4/6


MAIN5
H
G
F
E
D
C
B
A
1
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3
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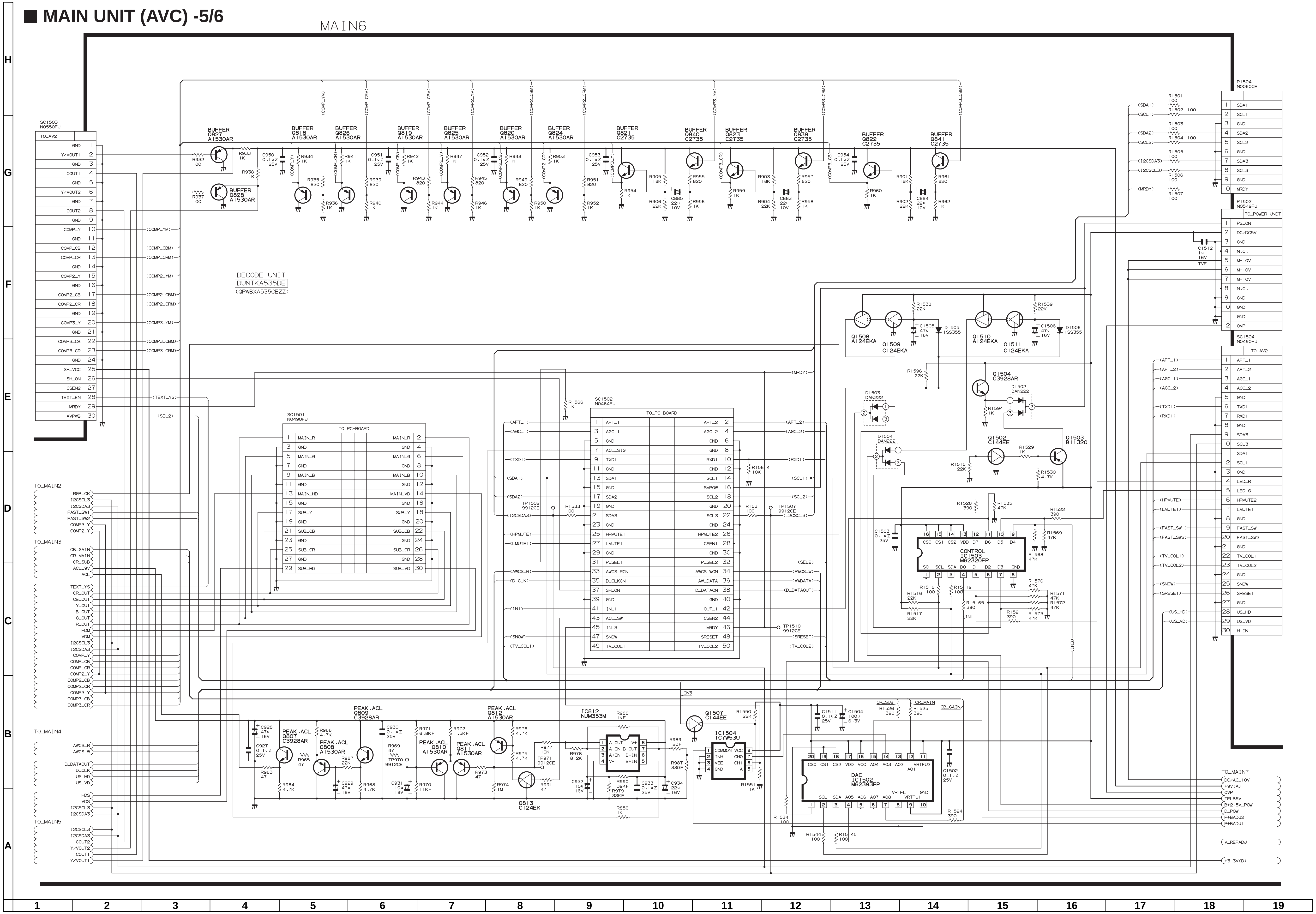
11
12
13
14
15
16
17
18
19
TO_MAIN2
SEL_1
SEL_3
TO_MAIN7
+5V2(A)
+9V(A)
FB401
0061TA
L401
4.7uHJ
TO_MAIN3
FSCS
FSCM
DECODE UNIT
DUNTKA535DE
(QPWBXA535CEZZ)
CONTROL
IC403
M62320FP
SUB
COMB.FILTER
IC402
CXD2064Q
6.7MLPF
IC404
ML6428C1
TO_MAIN7
+5V(D)
L409
4.7uHJ
TO_MAIN6
I2CSDA3
I2CSCL3
TO_MAIN3
C358_C2
R483
0
C443_C2
TP410
9912CE
BUFFER
Q403
A1530AR
BUFFER
Q405
A1530AR
L404
27uHJ
BUFFER
Q406
C3928AR
BUFFER
Q409
C3928AR
C358_Y2
FL_V2
TH_Y2
TH_C2
BUFFER
Q407
C3928AR
BUFFER
Q408
C3928AR
TO_MAIN6
Y/VOUT2
COUT2
BUFFER
Q425
A1530AR
BUFFER
Q424
A1530AR
L407
22uHJ
BUFFER
Q427
A1530AR
BUFFER
Q426
A1530AR
L408
22uHJ
MAIN
COMB.FILTER
IC405
CXD2064Q
CONTROL
IC406
M62320FP
6.7M LPF
IC407
ML6428C1
TO_MAIN2
C358_Y1
BUFFER
Q414
A1530AR
BUFFER
Q415
C3928AR
BUFFER
Q416
C3928AR
TO_MAIN6
Y/VOUT1
COUT1
C_Y1
TH_Y1
TH_C1
TP401
9912CE
TP402
9912CE
TP403
9912CE
TP404
9912CE
TP405
9912CE
TP406
9912CE
TP407
9912CE
TP408
9912CE

■ MAIN UNIT (AVC) -5/6


MAIN6
SC1503 N0550FJ TO_AV2
BUFFER Q827 A1530AR
BUFFER Q828 A1530AR
BUFFER Q818 A1530AR
BUFFER Q826 A1530AR
BUFFER Q819 A1530AR
BUFFER Q825 A1530AR
BUFFER Q820 A1530AR
BUFFER Q824 A1530AR
BUFFER Q821 C2735
BUFFER Q840 C2735
BUFFER Q823 C2735
BUFFER Q839 C2735
BUFFER Q822 C2735
BUFFER Q841 C2735
P1504 N0060CE
P1502 N0549FJ TO_POWER-UNIT
SC1504 N0490FJ TO_AV2
DECODE UNIT
DUNTKA535DE
(QPWBXA535CEZZ)
SC1501 N0490FJ TO_PC-BOARD
SC1502 N0464FJ TO_PC-BOARD
Q1508 A124EKA
Q1509 C124EKA
Q1510 A124EKA
Q1511 C124EKA
Q1504 C3928AR
D1502 DAN222
D1503 DAN222
D1504 DAN222
D1505 1SS355
D1506 1SS355
Q1502 C144EE
Q1503 B1132Q
CONTROL IC1503 M62320FP
TO_MAIN2
TO_MAIN3
TO_MAIN4
TO_MAIN5
TO_MAIN7
PEAK.ACL Q807 C3928AR
PEAK.ACL Q808 A1530AR
PEAK.ACL Q809 C3928AR
PEAK.ACL Q810 A1530AR
PEAK.ACL Q811 A1530AR
PEAK.ACL Q812 A1530AR
Q813 C124EK
IC812 NJM353M
Q1507 C144EE
IC1504 TC7W53U
DAC IC1502 M62393FP
CR_SUB
CR_MAIN
CB_GAIN
IN3
H
G
F
E
D
C
B
A
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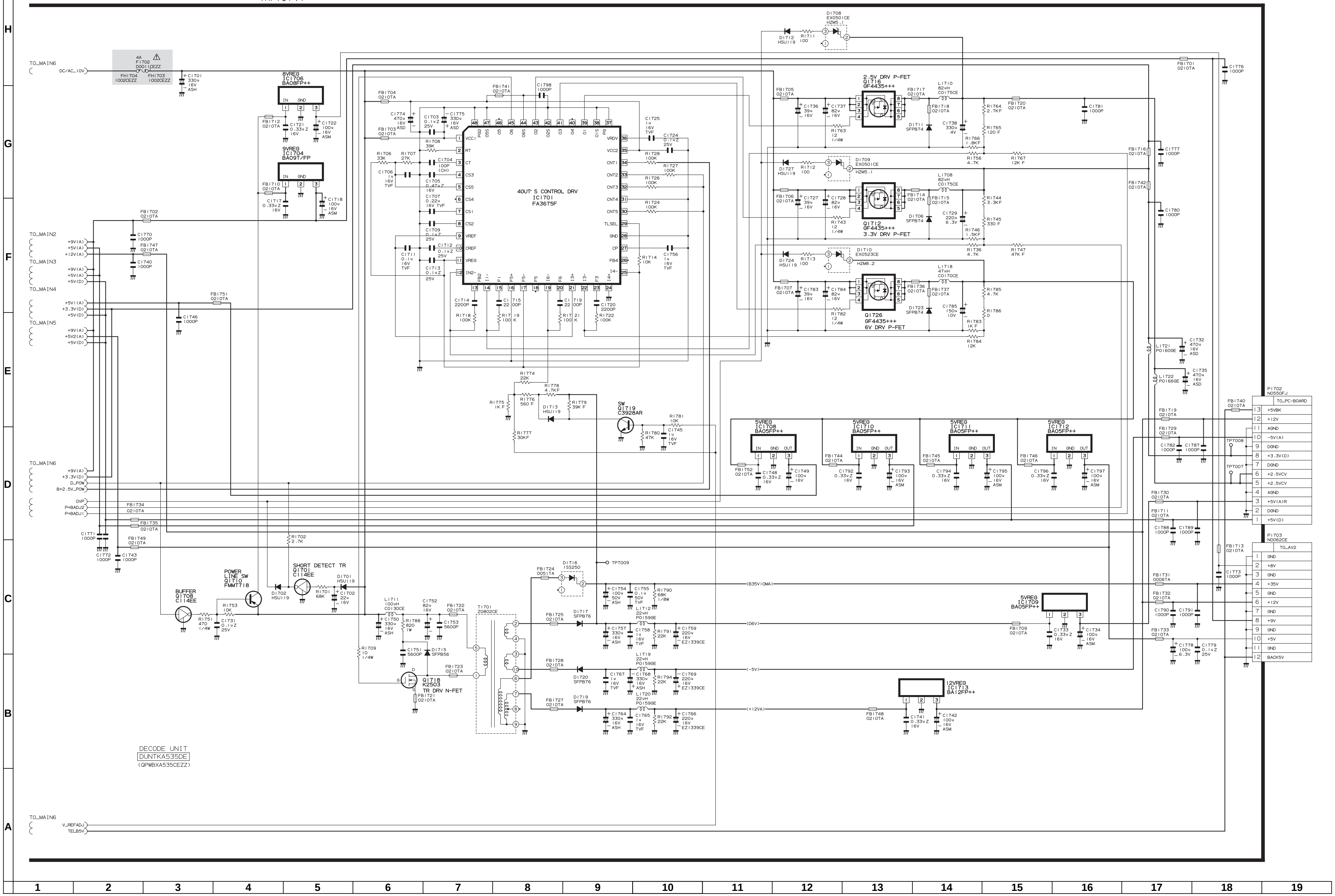
■ MAIN UNIT (AVC) -6/6

MAIN7


H
G
F
E
D
C
B
A
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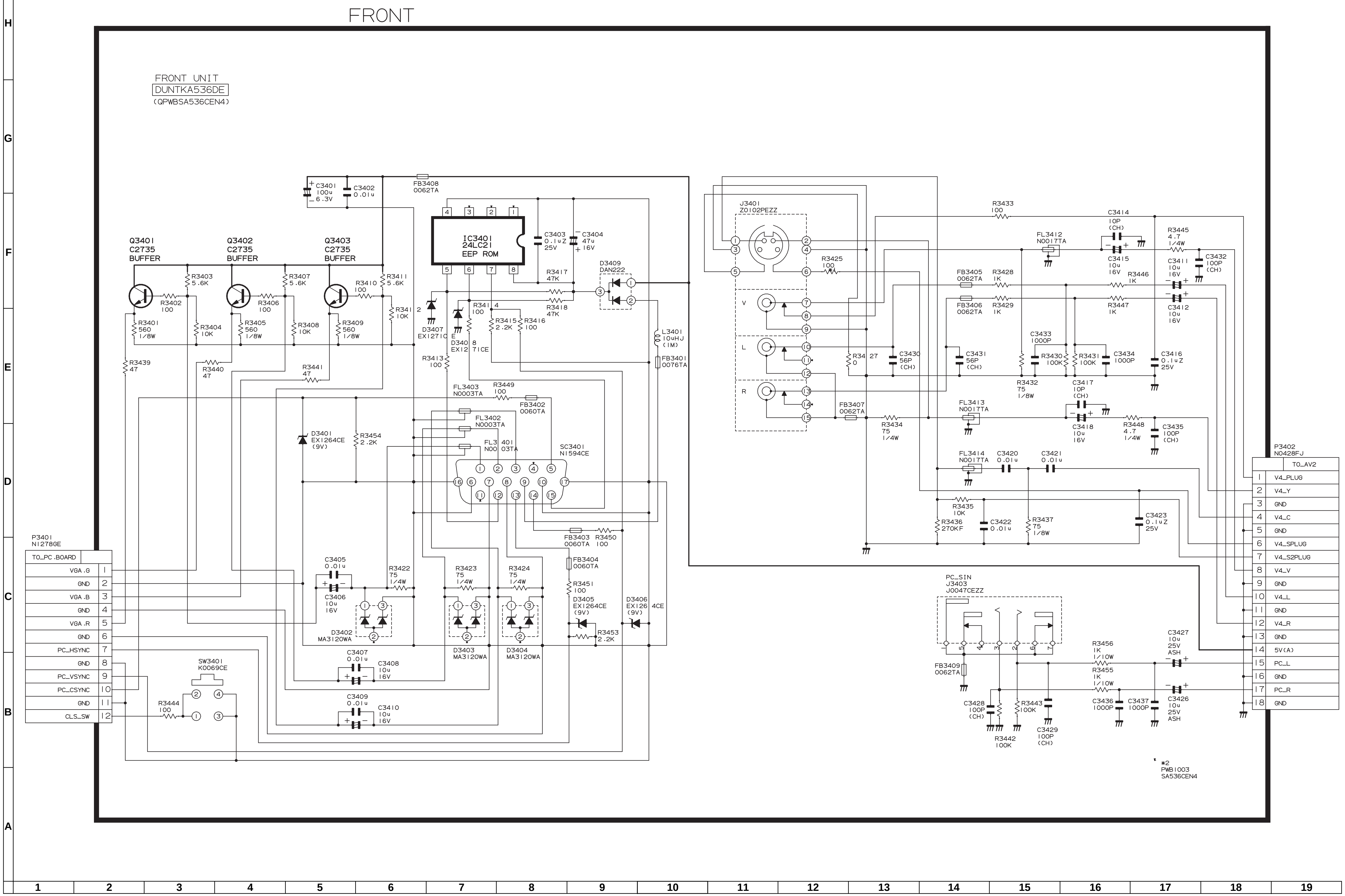
12
13
14
15
16
17
18
19
TO_MAIN6
DC/AC_10V
4A
F1702
D0011CEZZ
FH1704 1002CEZZ
FH1703 1002CEZZ
C1701 330u 16V ASH
8VREG IC1706 BA08FP++
9VREG IC1704 BA09T/FP
IN GND
FB1712 0210TA
C1721 0.33uZ 16V
C1722 100u 16V ASM
FB1710 0210TA
C1717 0.33uZ 16V
C1718 100u 16V ASM
FB1702 0210TA
FB1704 0210TA
FB1703 0210TA
FB1741 0210TA
C1798 1000P
C1774 470u 16V ASD
C1703 0.1uZ 25V
C1775 330u 16V ASD
R1708 39K
R1706 33K
R1707 27K
C1704 100P (CH)
C1706 1u 16V TVF
C1705 0.47uZ 16V
C1707 0.22u 16V TVF
C1709 0.1uZ 25V
C1711 0.1u 16V TVF
C1712 0.1uZ 25V
C1713 0.1uZ 25V
40UT'S CONTROL DRV
IC1701
FA3675F
VCC1
RT
CT
CS3
CS5
CS4
CS1
CS2
VREF
CREF
VREG
IN2-
VRDV
VCC2
CNT1
CNT2
CNT3
CNT4
CNT5
TLSEL
GND
CP
FB4
C1725 1u 16V TVF
C1724 0.1uZ 25V
R1728 100K
R1727 100K
R1726 100K
R1724 100K
R1714 10K
C1756 1u 16V TVF
C1714 2200P
R1718 100K
C1715 2200P
R1719 100K
C1719 2200P
R1721 100K
C1720 2200P
R1722 100K
R1774 22K
R1778 4.7KF
R1775 1K F
R1776 560 F
D1713 HSU119
R1779 39K F
R1777 30KF
SW Q1719 C3928AR
R1781 10K
R1780 47K
C1745 1u 16V TVF
D1708 EX0501CE HZM5.1
D1712 HSU119
R1711 100
FB1705 0210TA
C1736 39u 16V
C1737 82u 16V
R1763 12 1/4W
2.5V DRV P-FET Q1716 GF4435+++
FB1717 0210TA
FB1718 0210TA
D1711 SFPB74
L1710 82uH C0175CE
C1738 330u 4V
R1764 2.7KF
R1765 120 F
R1766 1.8KF
R1756 4.7K
R1767 12K F
FB1720 0210TA
C1781 1000P
C1776 1000P
FB1701 0210TA
D1727 HSU119
R1712 100
D1709 EX0501CE HZM5.1
FB1706 0210TA
C1727 39u 16V
C1728 82u 16V
R1743 12 1/4W
Q1712 GF4435+++ 3.3V DRV P-FET
FB1714 0210TA
FB1715 0210TA
D1706 SFPB74
L1708 82uH C0175CE
C1729 220u 6.3V
R1744 3.3KF
R1745 330 F
R1746 1.5KF
R1736 4.7K
R1747 47K F
FB1716 0210TA
FB1742 0210TA
C1777 1000P
C1780 1000P
D1724 HSU119
R1713 100
D1710 EX0523CE HZM8.2
FB1707 0210TA
C1783 39u 16V
C1784 82u 16V
R1782 12 1/4W
Q1726 GF4435+++ 6V DRV P-FET
FB1736 0210TA
FB1737 0210TA
D1723 SFPB74
L1718 47uH C0170CE
C1785 150u 10V
R1785 4.7K
R1786 0
R1783 1K F
R1784 12K
L1721 P0160GE
C1732 470u 16V ASD
L1722 P0166GE
C1735 470u 16V ASD
TO_MAIN2
+9V(A)
+5V(A)
+12V(A)
TO_MAIN3
+9V(A)
+5V(A)
+5V(D)
TO_MAIN4
+5V1(A)
+3.3V(D)
+5V(D)
TO_MAIN5
+9V(A)
+5V2(A)
+5V(D)
C1770 1000P
FB1747 0210TA
C1740 1000P
FB1751 0210TA
C1746 1000P
TO_MAIN6
+9V(A)
+3.3V(D)
D_POW
B+2.5V_POW
OVP
P+BADJ2
P+BADJ1
FB1734 0210TA
FB1735 0210TA
FB1749 0210TA
C1771 1000P
C1772 1000P
C1743 1000P
5VREG IC1708 BA05FP++
5VREG IC1710 BA05FP++
5VREG IC1711 BA05FP++
5VREG IC1712 BA05FP++
IN GND OUT
FB1752 0210TA
C1748 0.33uZ 16V
C1749 100u 16V
FB1744 0210TA
C1792 0.33uZ 16V
C1793 100u 16V ASM
FB1745 0210TA
C1794 0.33uZ 16V
C1795 100u 16V ASM
FB1746 0210TA
C1796 0.33uZ 16V
C1797 100u 16V ASM
P1702 N0550FJ
TO_PC-BOARD
FB1740 0210TA
FB1719 0210TA
FB1729 0210TA
TP7008
TP7007
C1782 1000P
C1787 1000P
13 +5VBK
12 +12V
11 AGND
10 -5V(A)
9 DGND
8 +3.3V(D)
7 DGND
6 +2.5VCV
5 +2.5VCV
4 AGND
3 +5V(A)R
2 DGND
1 +5V(D)
FB1730 0210TA
FB1711 0210TA
C1788 1000P
C1789 1000P
P1703 N0062CE
TO_AV2
1 GND
2 +8V
3 GND
4 +35V
5 GND
6 +12V
7 GND
8 +9V
9 GND
10 +5V
11 GND
12 BACK5V
FB1713 0210TA
C1773 1000P
FB1731 0006TA
FB1732 0210TA
C1790 1000P
C1791 1000P
FB1733 0210TA
C1778 100u 6.3V
C1779 0.1uZ 25V
5VREG IC1709 BA05FP++
FB1709 0210TA
C1733 0.33uZ 16V
C1734 100u 16V ASM
12VREG IC1713 BA12FP++
FB1748 0210TA
C1741 0.33uZ 16V
C1742 100u 16V ASM
R1702 2.7K
SHORT DETECT TR Q1701 C114EE
POWER LINE SW Q1710 FMMT718
BUFFER Q1708 C114EE
D1702 HSU119
D1701 HSU119
R1701 68K
C1702 22u 16V
R1753 10K
R1751 470 1/4W
C1731 0.1uZ 25V
L1711 100uH C0130CE
C1750 330u 16V ASH
R1788 820 1W
C1752 82u 16V
C1753 5600P
FB1722 0210TA
C1751 5600P
D1715 SFPB56
R1709 10 1/4W
Q1718 K2503 TR DRV N-FET
FB1721 0210TA
FB1723 0210TA
T1701 Z0802CE
D1716 1SS250
FB1724 0051TA
TP7009
C1754 100u 50V ASH
C1755 0.1u 50V TVF
R1790 68K 1/8W
L1712 22uH P0159GE
(B35V10MA)
FB1725 0210TA
D1717 SFPB76
C1757 330u 16V ASH
C1758 1u 16V TVF
R1791 22K
C1759 220u 16V EZ1339CE
(D6V)
FB1728 0210TA
D1720 SFPB76
L1719 22uH P0159GE
C1767 1u 16V TVF
C1768 330u 16V ASH
R1794 22K
C1769 220u 16V EZ1339CE
(-5V)
L1720 22uH P0159GE
FB1727 0210TA
D1719 SFPB76
C1764 330u 16V ASH
C1765 1u 16V TVF
R1792 22K
C1766 220u 16V EZ1339CE
(+12VA)
DECODE UNIT
DUNTKA535DE
(QPWBXA535CEZZ)
TO_MAIN6
V_REFADJ
TELBV

■ FRONT UNIT (AVC)


FRONT
FRONT UNIT
DUNTKA536DE
(QPWBSA536CEN4)
Q3401 C2735 BUFFER
Q3402 C2735 BUFFER
Q3403 C2735 BUFFER
C3401 100u 6.3V
C3402 0.01u
FB3408 0062TA
IC3401 24LC21 EEP ROM
C3403 0.1uZ 25V
C3404 47u 16V
D3409 DAN222
R3401 560 1/8W
R3402 100
R3403 5.6K
R3404 10K
R3405 560 1/8W
R3406 100
R3407 5.6K
R3408 10K
R3409 560 1/8W
R3410 100
R3411 5.6K
R3412 10K
R3413 100
R3414 100
R3415 2.2K
R3416 100
R3417 47K
R3418 47K
D3407 EX127IC E
D3408 EX1271CE
L3401 10uHJ (1M)
FB3401 0076TA
R3439 47
R3440 47
R3441 47
FL3403 N0003TA
R3449 100
FB3402 0060TA
FL3402 N0003TA
FL3401 N0003TA
D3401 EX1264CE (9V)
R3454 2.2K
SC3401 N1594CE
FB3403 0060TA
R3450 100
FB3404 0060TA
R3451 100
D3405 EX1264CE (9V)
D3406 EX1264CE (9V)
R3453 2.2K
P3401 N1278GE
TO_PC.BOARD
VGA.G 1
GND 2
VGA.B 3
GND 4
VGA.R 5
GND 6
PC_HSYNC 7
GND 8
PC_VSYNC 9
PC_CSYNC 10
GND 11
CLS_SW 12
C3405 0.01u
C3406 10u 16V
R3422 75 1/4W
D3402 MA3120WA
R3423 75 1/4W
D3403 MA3120WA
R3424 75 1/4W
D3404 MA3120WA
C3407 0.01u
C3408 10u 16V
C3409 0.01u
C3410 10u 16V
SW3401 K0069CE
R3444 100
J3401 Z0102PEZZ
V
L
R
R3425 100
R3427 0
C3430 56P (CH)
FB3407 0062TA
R3434 75 1/4W
R3433 100
FB3405 0062TA
FB3406 0062TA
R3428 1K
R3429 1K
C3431 56P (CH)
FL3412 N0017TA
C3414 10P (CH)
C3415 10u 16V
R3445 4.7 1/4W
C3411 10u 16V
C3432 100P (CH)
R3446 1K
R3447 1K
C3412 10u 16V
C3433 1000P
R3430 100K
R3431 100K
C3434 1000P
C3416 0.1uZ 25V
R3432 75 1/8W
C3417 10P (CH)
C3418 10u 16V
FL3413 N0017TA
R3448 4.7 1/4W
C3435 100P (CH)
FL3414 N0017TA
C3420 0.01u
C3421 0.01u
R3435 10K
R3436 270KF
C3422 0.01u
R3437 75 1/8W
C3423 0.1uZ 25V
P3402 N0428FJ
TO_AV2
1 V4_PLUG
2 V4_Y
3 GND
4 V4_C
5 GND
6 V4_SPLUG
7 V4_S2PLUG
8 V4_V
9 GND
10 V4_L
11 GND
12 V4_R
13 GND
14 5V(A)
15 PC_L
16 GND
17 PC_R
18 GND
PC_SIN J3403 J0047CEZZ
FB3409 0062TA
C3428 100P (CH)
R3442 100K
R3443 100K
C3429 100P (CH)
R3456 1K 1/10W
R3455 1K 1/10W
C3436 1000P
C3437 1000P
C3427 10u 25V ASH
C3426 10u 25V ASH
*2 PWB1003 SA536CEN4
H
G
F
E
D
C
B
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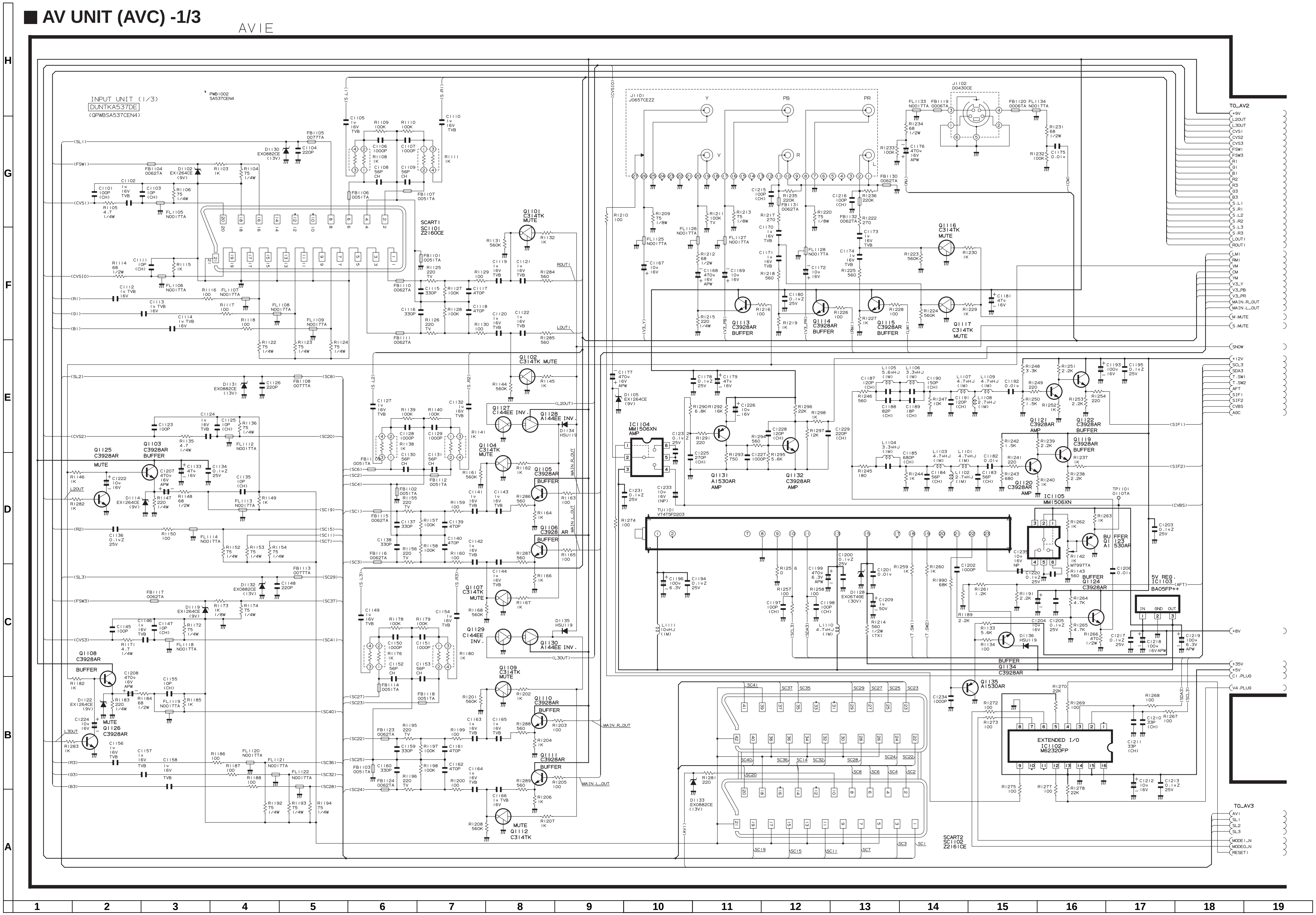
■ AV UNIT (AVC) -1/3


AV1E
INPUT UNIT (1/3)
DUNTKA537DE
(QPWBSA537CEN4)
PWB1002
SA537CEN4
SCART1
SC1101
Z2160CE
J1101
J0657CEZZ
Y
PB
PR
V
R
L
J1102
D0430CE
TO_AV2
+9V
L2OUT
L3OUT
CVS1
CVS2
CVS3
FSW1
FSW3
R1
G1
B1
R2
R3
G3
B3
S.L1
S.R1
S.L2
S.R2
S.L3
S.R3
LOUT1
ROUT1
LM1
RM1
VM
CM
YM
V3_Y
V3_PB
V3_PR
MAIN.R_OUT
MAIN.L_OUT
M.MUTE
S.MUTE
SNOW
+12V
SCL3
SDA3
T.SW1
T.SW2
AFT
SIF1
SIF2
CVBS
AGC
+8V
+35V
+5V
C1.PLUG
V4.PLUG
TO_AV3
AV1
SL1
SL2
SL3
MODE1_N
MODE0_N
RESET1
IC1104
MM1506XN
AMP
IC1105
MM1506XN
TU1101
VT4T5FD203
5V REG.
IC1103
BA05FP++
IN GND OUT
EXTENDED I/O
IC1102
M62320FP
SCART2
SC1102
Z2161CE
TP1101
Q1101 C314TK MUTE
Q1102 C314TK MUTE
Q1103 C3928AR BUFFER
Q1104 C314TK MUTE
Q1105 C3928AR BUFFER
Q1106 C3928 AR BUFFER
Q1107 C314TK MUTE
Q1108 C3928AR BUFFER
Q1109 C314TK MUTE
Q1110 C3928AR BUFFER
Q1111 C3928AR BUFFER
Q1112 C314TK MUTE
Q1113 C3928AR BUFFER
Q1114 C3928AR BUFFER
Q1115 C3928AR BUFFER
Q1116 C314TK MUTE
Q1117 C314TK MUTE
Q1119 C3928AR BUFFER
Q1120 C3928AR AMP
Q1121 C3928AR AMP
Q1122 C3928AR BUFFER
Q1123 A1530AR BUFFER
Q1124 C3928AR BUFFER
Q1125 C3928AR MUTE
Q1126 C3928AR MUTE
Q1127 C144EE INV.
Q1128 A144EE INV.
Q1129 C144EE INV.
Q1130 A144EE INV.
Q1131 A1530AR AMP
Q1132 C3928AR AMP
Q1134 C3928AR BUFFER
Q1135 A1530AR
MAIN_R_OUT
MAIN_L_OUT
H
G
F
E
D
C
B
A
1
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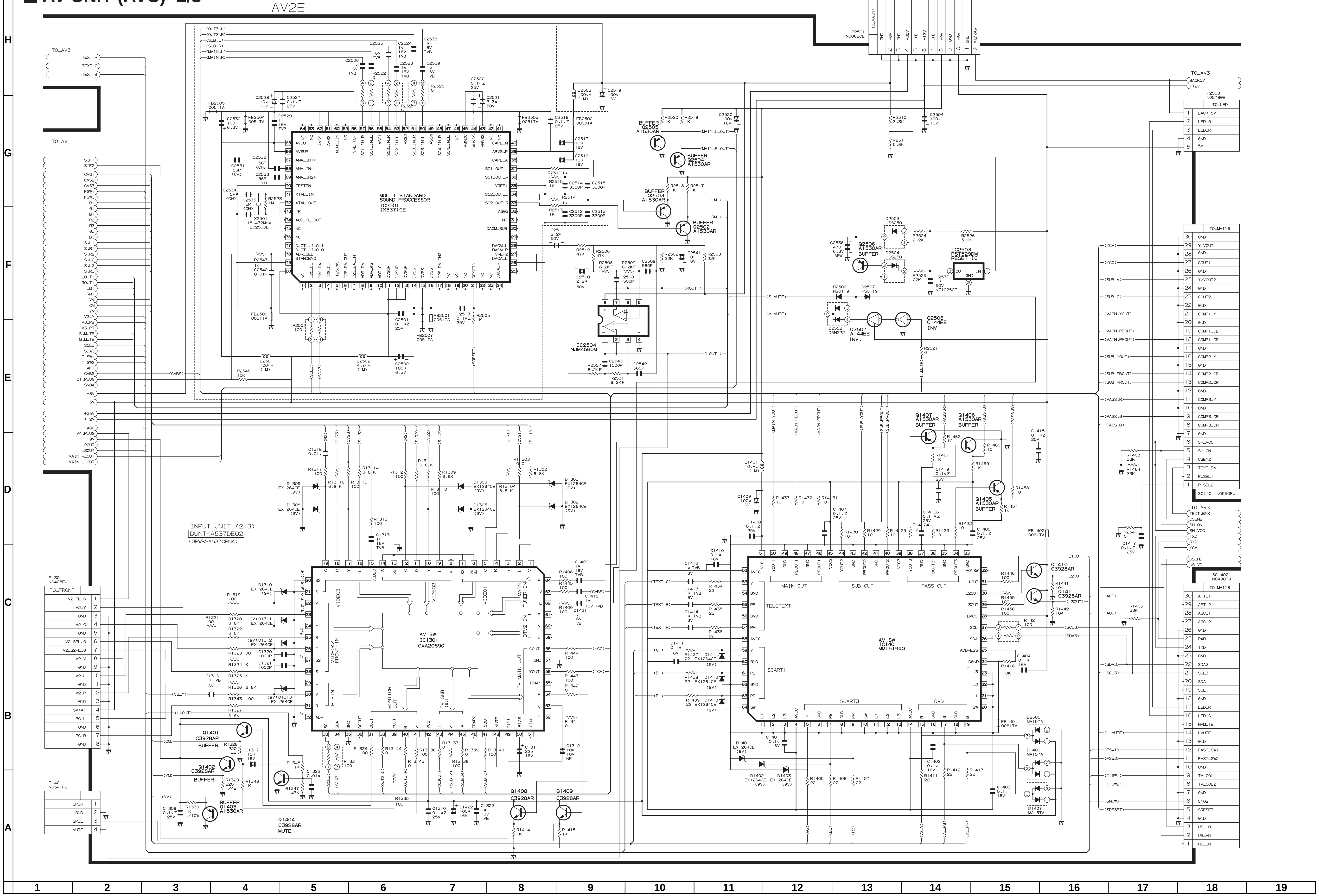
■ AV UNIT (AVC) -2/3


AV2E
MULTI STANDARD SOUND PROCCESSOR
IC2501
IX3371CE
X2501
18.432MHz
B02500E
IC2504
NJM4560M
IC2503
PST529DM
RESET IC
BUFFER Q2505 A1530AR
BUFFER Q2504 A1530AR
BUFFER Q2503 A1530AR
BUFFER Q2502 A1530AR
Q2506 A1530AR BUFFER
Q2507 A144EE INV.
Q2508 C144EE INV.
P2501 N0062CE
TO_MAIN1
P2503 N0578GE
TO_LED
TO_AV3
TO_AV1
TO_MAIN6
SC1401 N0550FJ
SC1402 N0490FJ
INPUT UNIT (2/3)
DUNTKA537DE02
(QPWBSA537CEN4)
AV SW
IC1301
CXA2069Q
AV SW
IC1401
MM1519XQ
VIDEO1
VIDEO2
VIDEO3
VIDEO4/FRONT-IN
PC-IN
MONITOR OUT
TV SUB OUT
TV MAIN OUT
MAIN TUNER-IN
DTV2-IN
MAIN OUT
SUB OUT
PASS OUT
TELETEXT
SCART1
SCART3
DVD
P1301 N0428FJ
TO_FRONT
P1401 N0541FJ
Q1401 C3928AR BUFFER
Q1402 C3928AR BUFFER
BUFFER Q1403 A1530AR
Q1404 C3928AR MUTE
Q1405 A1530AR BUFFER
Q1406 A1530AR BUFFER
Q1407 A1530AR BUFFER
Q1408 C3928AR
Q1409 C3928AR
Q1410 C3928AR
Q1411 C3928AR
D2505 MA157A
D1406 MA157A
D1407 MA157A
D2502 DAN222
D2503 1SS250
D2504 1SS250
D2506 HSU119
D2507 HSU119
H
G
F
E
D
C
B
A
1
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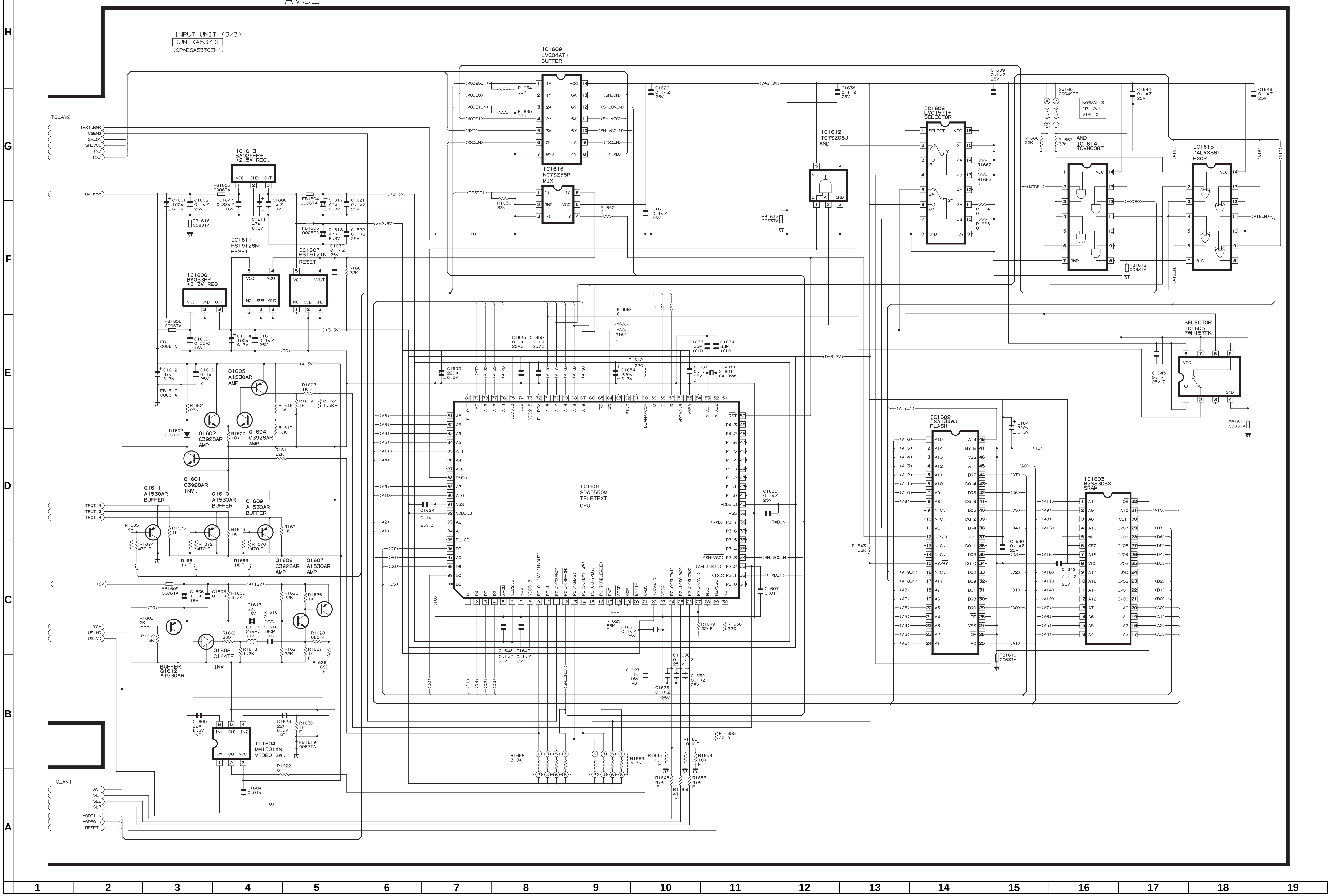
■ AV UNIT (AVC) -3/3

AV3E


INPUT UNIT (3/3)
DUNTKA537DE
(QPWBSA537CEN4)
TO_AV2
TEXT.BNK
CSEN2
SH_ON
SH_VCC
TXD
RXD
BACK5V
IC1613
BA025FP+
+2.5V REG.
IC1611
PST9128N
RESET
IC1607
PST9121N
RESET
IC1606
BA033FP
+3.3V REG.
IC1609
LVC04AT+
BUFFER
IC1616
NC7SZ58P
MIX
IC1612
TC7SZ08U
AND
IC1608
LVC157T+
SELECTOR
SW1601
C0049CE
NORMAL:3
IPL:2,1
VIPL:0
IC1614
TCVHC08T
AND
IC1615
74LVX86T
EXOR
SELECTOR
IC1605
TWH157FK
IC1601
SDA5550M
TELETEXT
CPU
IC1602
IXA134WJ
FLASH
IC1603
62S8308X
SRAM
X1601
CA002WJ
(6MHz)
Q1605
A1530AR
AMP
Q1602
C3928AR
AMP
Q1604
C3928AR
AMP
D1602
HSU119
Q1601
C3928AR
INV.
Q1611
A1530AR
BUFFER
Q1610
A1530AR
BUFFER
Q1609
A1530AR
BUFFER
Q1606
C3928AR
AMP
Q1607
A1530AR
AMP
TEXT.R
TEXT.G
TEXT.B
+12V
YCV
US_HD
US_VD
Q1608
C144TE
INV.
BUFFER
Q1612
A1530AR
IC1604
MM1501XN
VIDEO SW.
TO_AV1
AV1
SL1
SL2
SL3
MODE1_N
MODE0_N
RESET1
(D+3.3V)
(D+2.5V)
(A+2.5V)
(A+5V)
(A+12V)
(TG)
H
G
F
E
D
C
B
A
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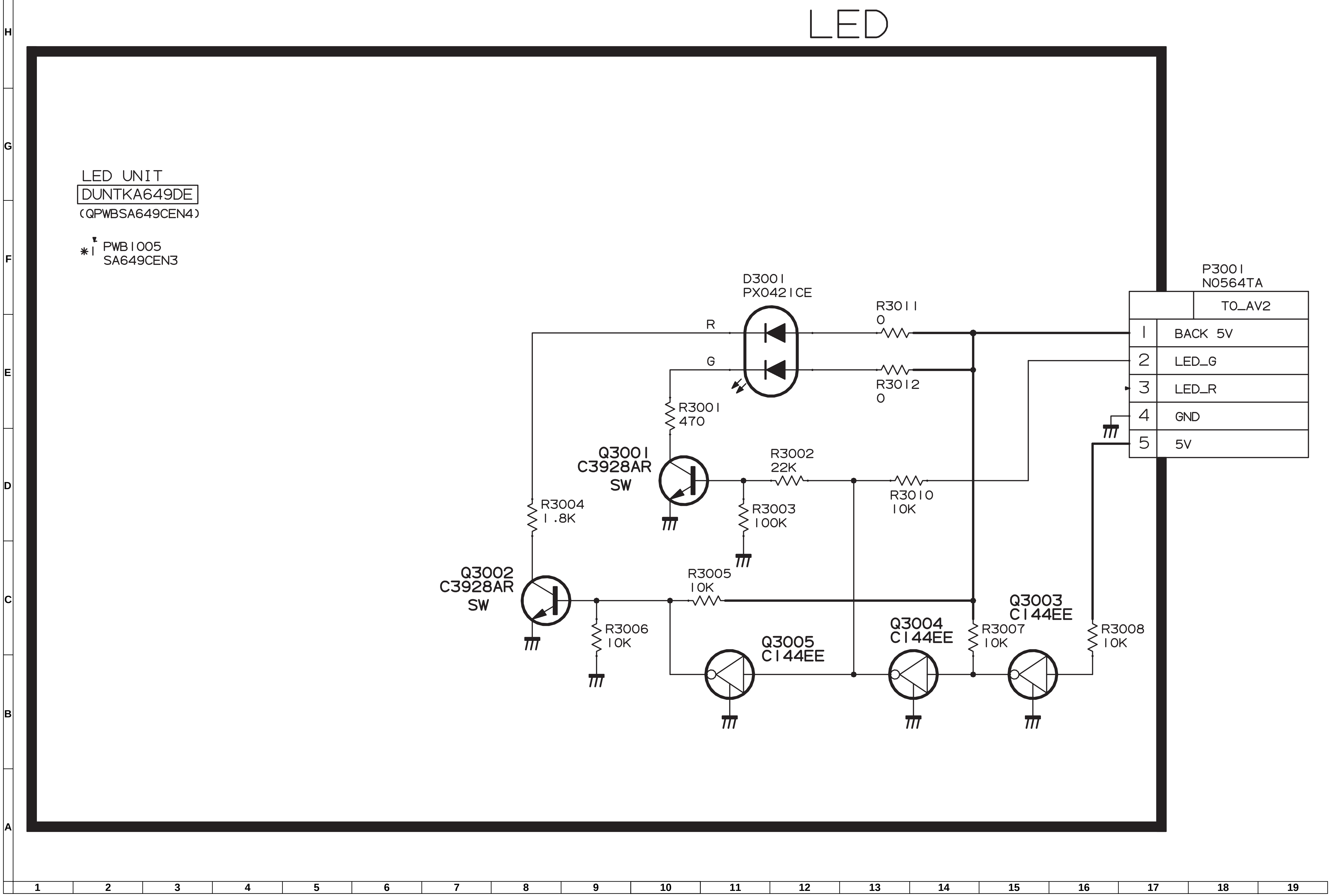
■ LED Unit (AVC)


LED
LED UNIT
DUNTKA649DE
(QPWBSA649CEN4)
✱1 PWB1005
SA649CEN3
D3001
PX0421CE
R
G
R3011
0
R3012
0
R3001
470
Q3001
C3928AR
SW
R3002
22K
R3003
100K
R3010
10K
R3004
1.8K
Q3002
C3928AR
SW
R3005
10K
R3006
10K
Q3005
C144EE
Q3004
C144EE
Q3003
C144EE
R3007
10K
R3008
10K
P3001
N0564TA
TO_AV2
1 BACK 5V
2 LED_G
3 LED_R
4 GND
5 5V
H
G
F
E
D
C
B
A
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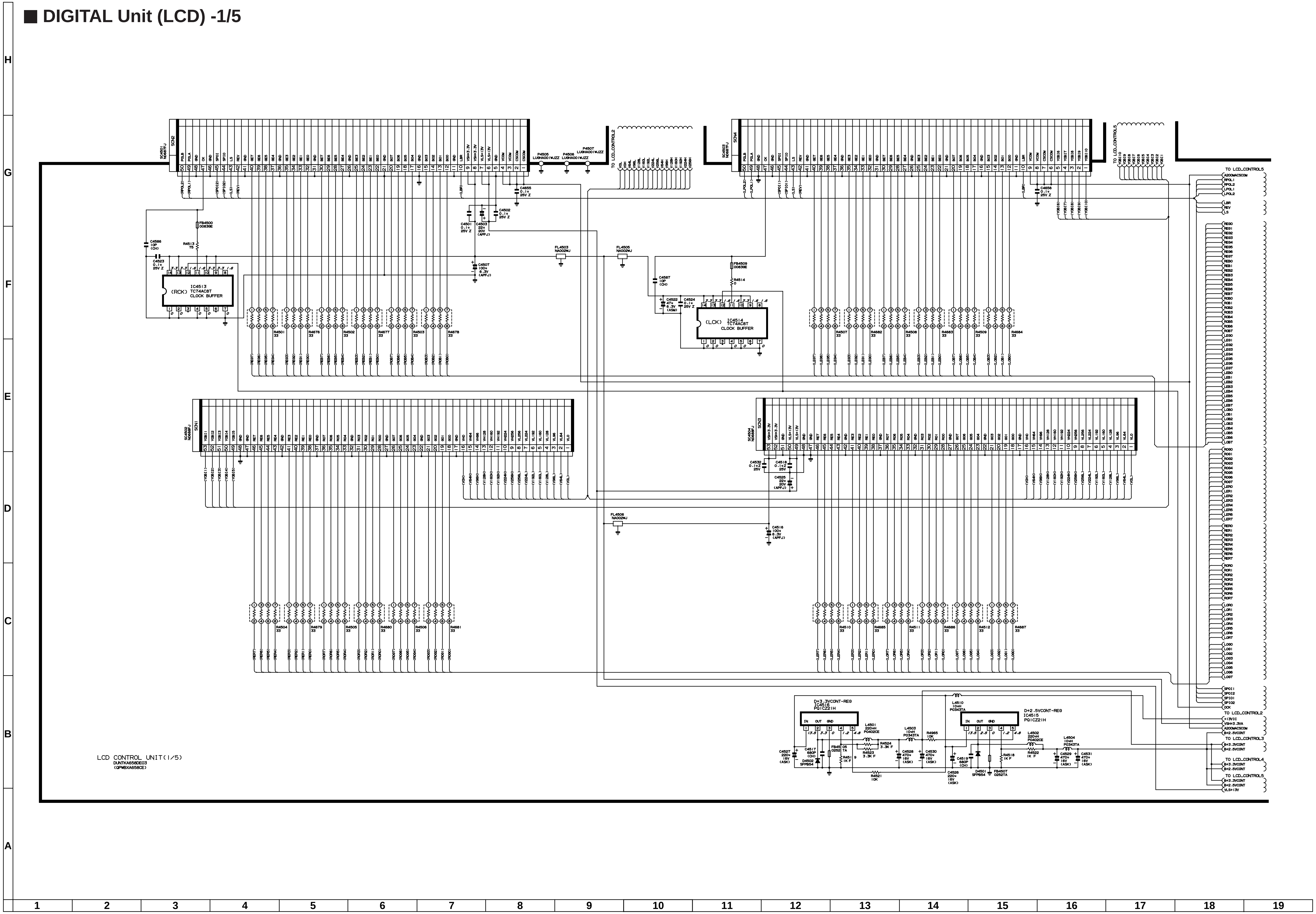
■ DIGITAL Unit (LCD) -1/5



SCN2
SCN4
SCN1
SCN3
TO LCD_CONTROL2
TO LCD_CONTROL5
TO LCD_CONTROL3
TO LCD_CONTROL4
IC4513 (RCK) TC74AC8T CLOCK BUFFER
IC4514 (LCK) TC74AC8T CLOCK BUFFER
D+3.3VCONT-REG IC4516 PQ1CZ21H
D+2.5VCONT-REG IC4515 PQ1CZ21H
IN OUT GND
FL4503
FL4505
FL4506
P4505
P4506
P4507
LCD CONTROL UNIT(1/5)
DUNTKA658DE03
(QPWBXA658CE)
H
G
F
E
D
C
B
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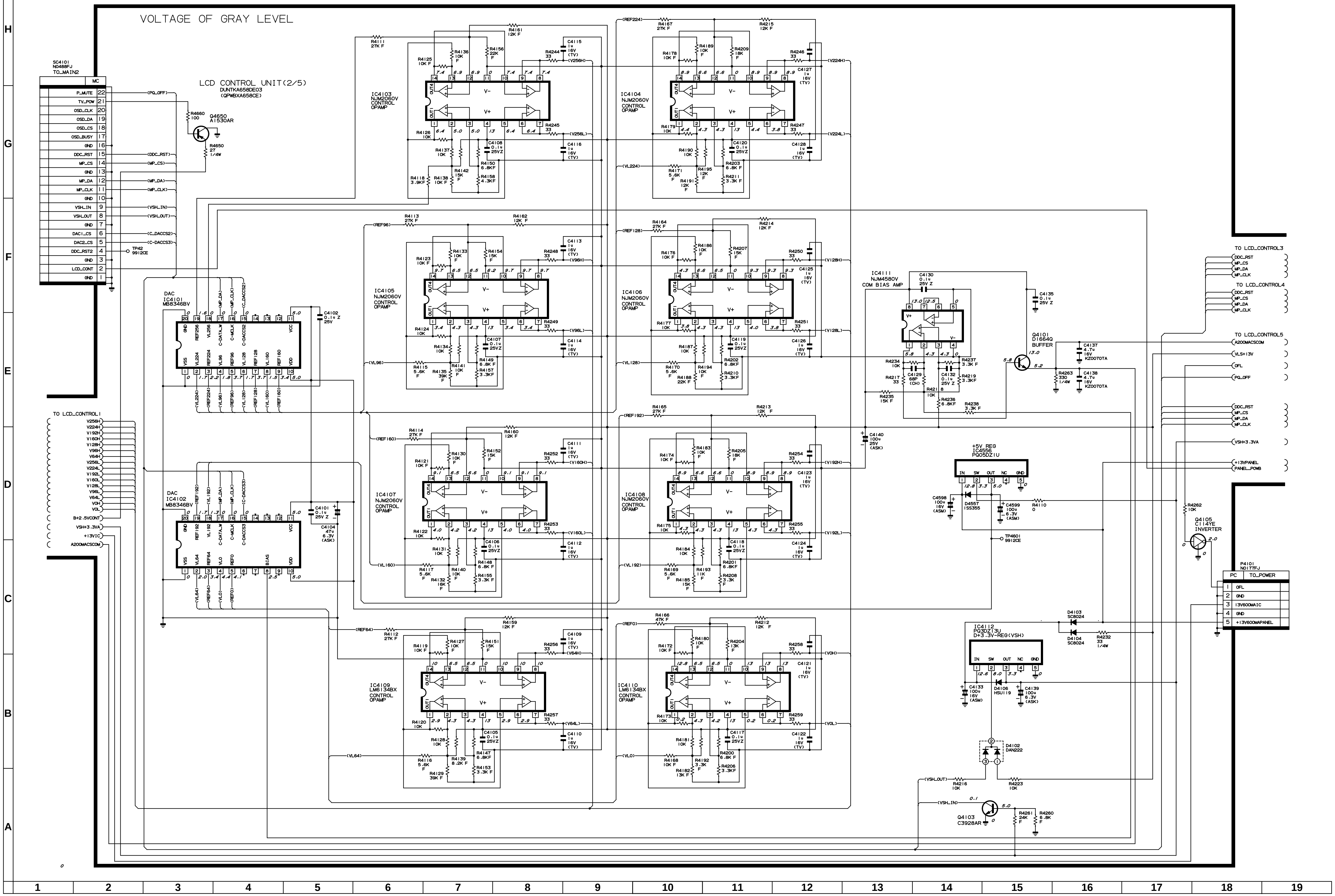
■ DIGITAL Unit (LCD) -2/5


VOLTAGE OF GRAY LEVEL
LCD CONTROL UNIT(2/5)
DUNTKA658DE03
(QPWBXA658CE)
SC4101
N0488FJ
TO_MAIN2
P_MUTE
TV_POW
OSD_CLK
OSD_DA
OSD_CS
OSD_BUSY
DDC_RST
MP_CS
MP_DA
MP_CLK
VSH_IN
VSH_OUT
DAC1_CS
DAC2_CS
DDC_RST2
LCD_CONT
GND
Q4650
A1530AR
TP42
9912CE
DAC
IC4101
MB88346BV
IC4102
MB88346BV
IC4103
NJM2060V
CONTROL OPAMP
IC4104
NJM2060V
CONTROL OPAMP
IC4105
NJM2060V
CONTROL OPAMP
IC4106
NJM2060V
CONTROL OPAMP
IC4107
NJM2060V
CONTROL OPAMP
IC4108
NJM2060V
CONTROL OPAMP
IC4109
LM6134BX
CONTROL OPAMP
IC4110
LM6134BX
CONTROL OPAMP
IC4111
NJM4580V
COM BIAS AMP
Q4101
D1664Q
BUFFER
+5V REG
IC4556
PQ05DZ1U
IC4112
PQ3DZ13U
D+3.3V-REG(VSH)
D4557
1SS355
D4106
HSU119
D4102
DAN222
D4103
SC8024
D4104
SC8024
TP4601
9912CE
Q4105
C114YE
INVERTER
Q4103
C3928AR
P4101
N0177FJ
TO_POWER
OFL
GND
13V600MAIC
GND
+13V600MAPANEL
TO LCD_CONTROL1
TO LCD_CONTROL3
TO LCD_CONTROL4
TO LCD_CONTROL5
V256H
V224H
V192H
V160H
V128H
V96H
V64H
V256L
V224L
V192L
V160L
V128L
V96L
V64L
VOH
VOL
B+2.5VCONT
VSH+3.3VA
+13VIC
A200MACSCOM
VLS+13V
PQ_OFF
+13VPANEL
PANEL_POWB
H
G
F
E
D
C
B
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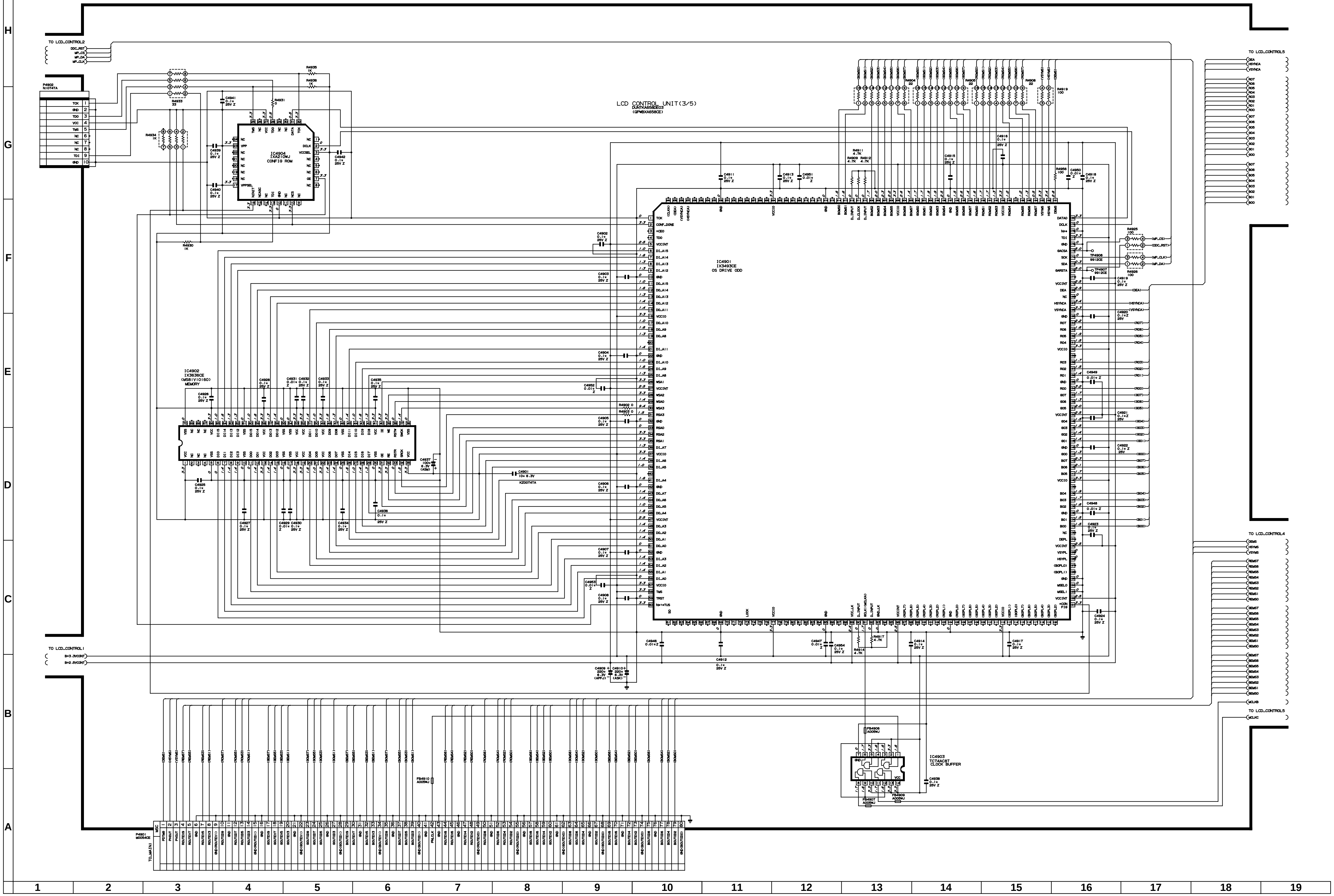
■ DIGITAL Unit (LCD) -3/5


LCD CONTROL UNIT(3/5)
DUNTKA658DE03
(QPWBXA658CE)
TO LCD_CONTROL2
DDC_RST
MP_CS
MP_DA
MP_CLK
P4902
NIOT4TA
TCK
GND
TDO
VCC
TMS
NC
TDI
IC4904
IXA210WJ
CONFIG ROM
IC4901
IX3493CE
OS DRIVE ODD
IC4902
IX3636CE
(M58IVIOI60)
MEMORY
IC4903
TC74AC87
CLOCK BUFFER
TO LCD_CONTROL5
TO LCD_CONTROL4
TO LCD_CONTROL1
B+3.3VCONT
B+2.5VCONT
P4901
MC0504CE
TO MAIN
FB4906
FB4907
FB4909
FB4910
TP4906
TP4907
H
G
F
E
D
C
B
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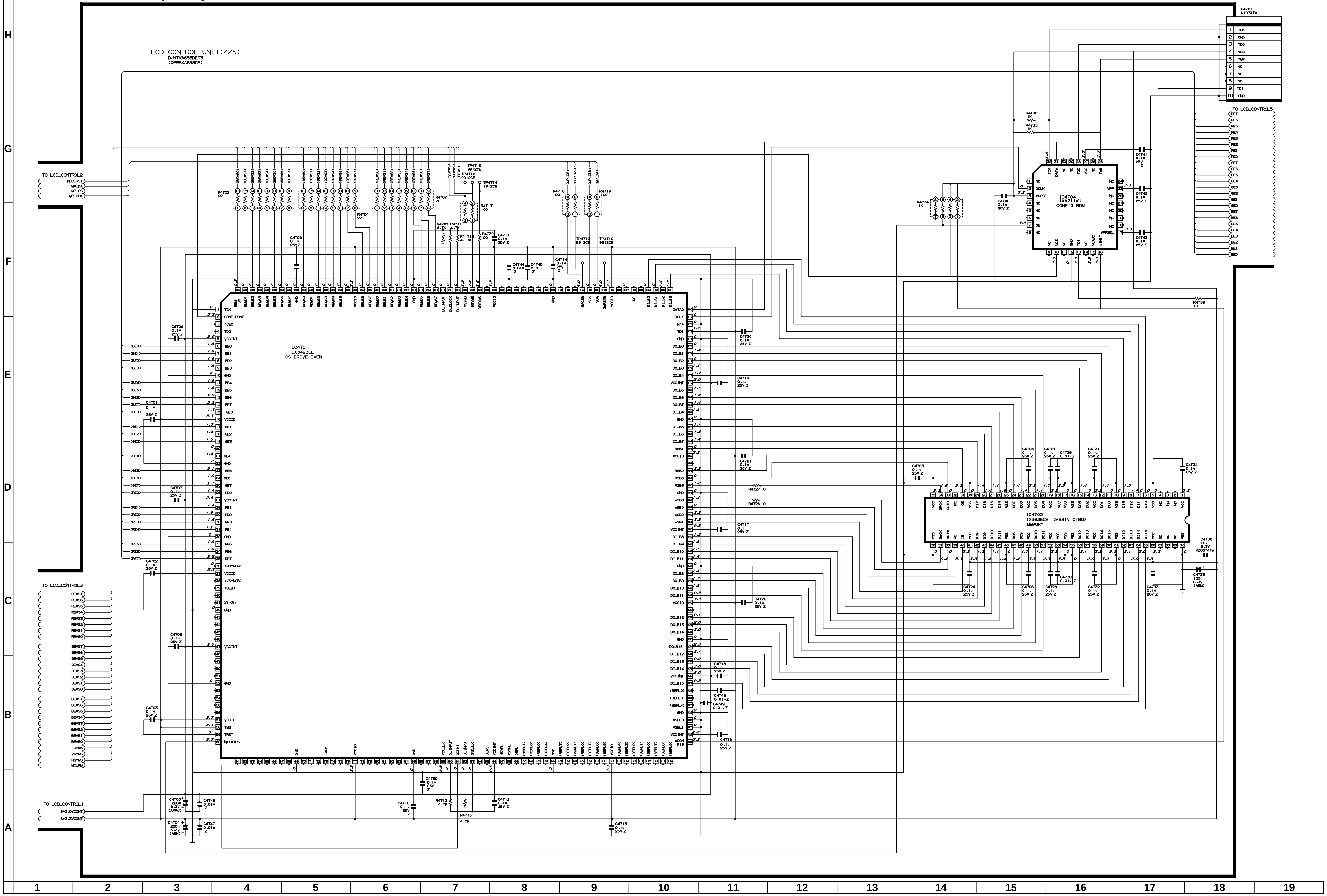
■ DIGITAL Unit (LCD) -4/5


LCD CONTROL UNIT(4/5)
DUNTKA658DE03
(QPWBXA658CE)
TO LCD_CONTROL2
DDC_RST
MP_DA
MP_CS
MP_CLK
TO LCD_CONTROL3
TO LCD_CONTROL1
B+2.5VCONT
B+3.3VCONT
TO LCD_CONTROL5
IC4701
IX3493CE
OS DRIVE EVEN
IC4702
IX3636CE (MS81V10160)
MEMORY
IC4704
IXA211WJ
CONFIG ROM
P4701
N10T4TA
TCK
GND
TDO
VCC
TMS
NC
TDI
TP4715
9912CE
TP4716
9912CE
TP4714
9912CE
TP4713
9912CE
TP4712
9912CE
R4703
22
R4704
22
R4707
22
R4717
100
R4718
100
R4719
100
R4732
1K
R4733
1K
R4734
1K
R4738
1K
R4727 0
R4726 0
R4712
4.7K
R4715
4.7K
C4705
220μ
6.3V
(APFJ)
C4704
220μ
6.3V
(ASK)
C4735
100μ
6.3V
(ASM)
C4736
10μ
6.3V
KZ0074TA
H
G
F
E
D
C
B
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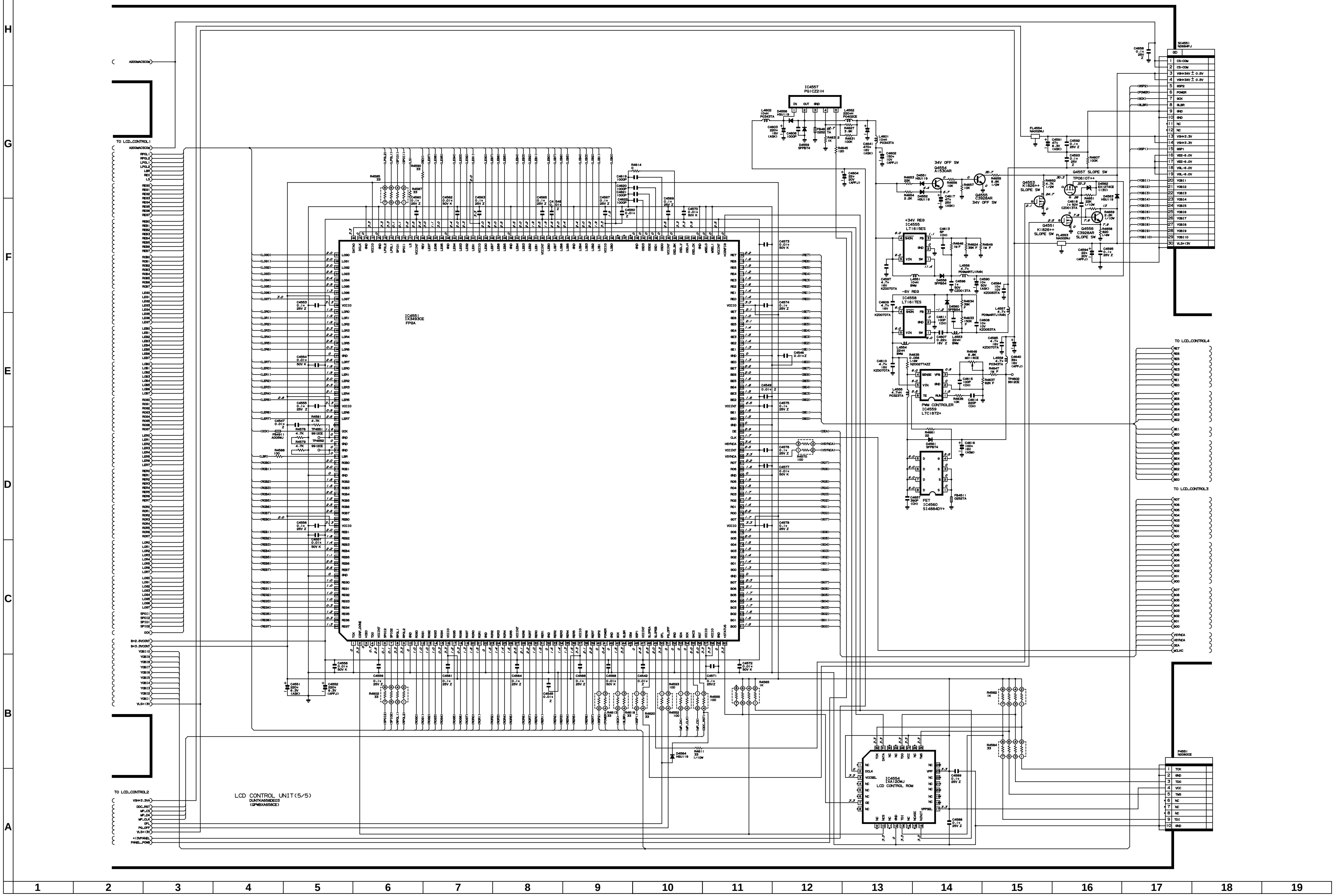
■ DIGITAL Unit (LCD) -5/5


H
G
F
E
D
C
B
A
TO LCD_CONTROL1
TO LCD_CONTROL2
TO LCD_CONTROL3
TO LCD_CONTROL4
IC4557 PQ1CZ21H
IC4551 IX3493CE FPGA
34V OFF SW
Q4554 A1530AR
Q4556 C3928AR
Q4557 SLOPE SW
+34V REG IC4555 LT1615ES
-6V REG IC4558 LT1617ES
PWM CONTROLER IC4559 LTC1872+
FET IC4560 SI4884DY+
SC4551 ND684PJ
P4551 ND060CE
IC4554 IXA120WJ LCD CONTROL ROM
LCD CONTROL UNIT(5/5) DUNTKA658DE03 (QPWBXA658CE)
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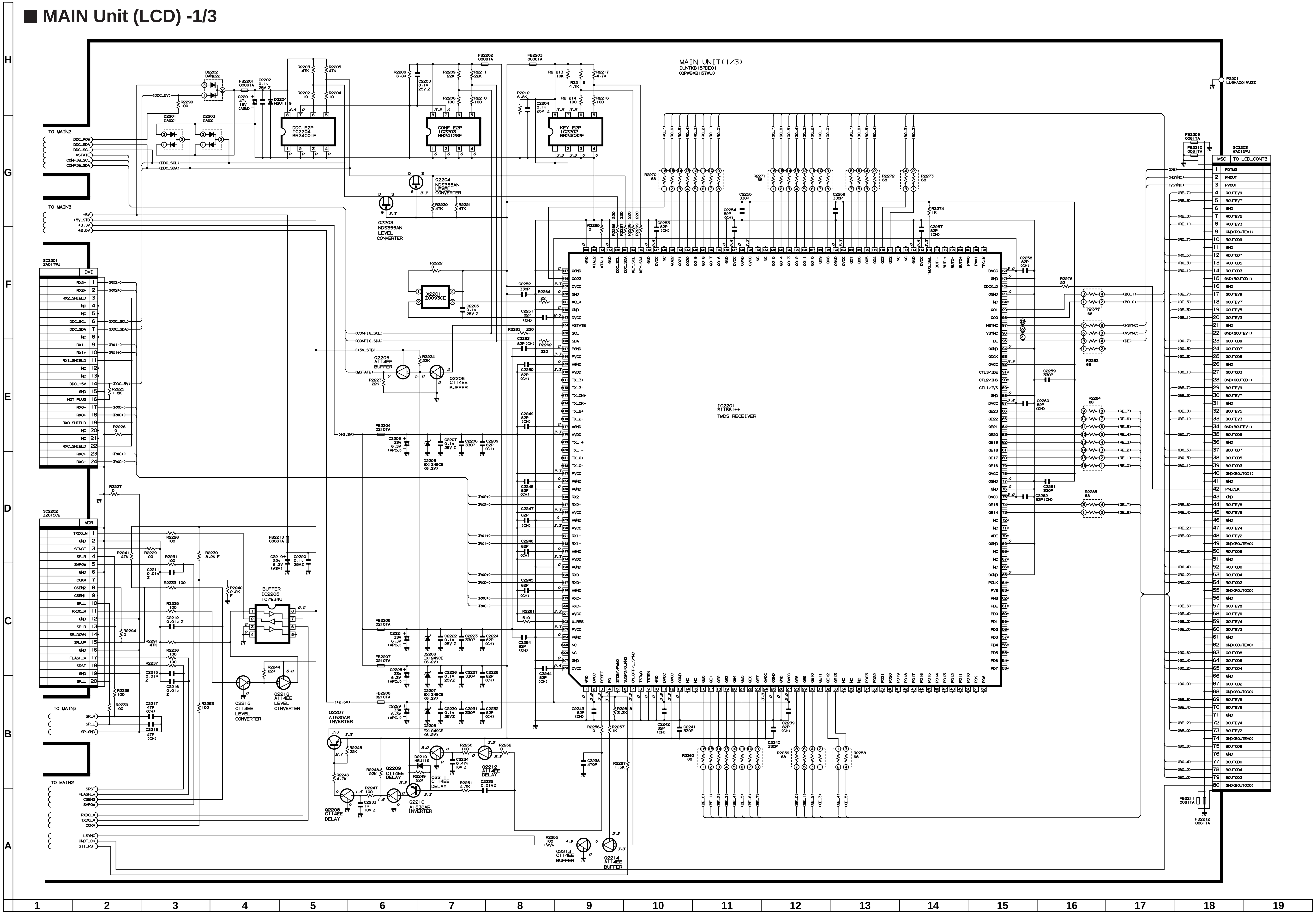
■ MAIN Unit (LCD) -1/3


MAIN UNIT(1/3)
DUNTKB157DE01
(QPWBXB157WJ)
IC2201
SII861++
TMDS RECEIVER
DDC E2P
IC2204
BR24C01F
CONF E2P
IC2203
HN24128F
KEY E2P
IC2202
BR24C32F
SC2201
ZA01TWJ
DVI
SC2202
Z2015CE
MDR
SC2203
WA015WJ
MSC
TO LCD_CONT3
TO MAIN2
TO MAIN3
P2201
LUGHA001WJZZ
X2201
Z0093CE
BUFFER
IC2205
TC7W34U
Q2203
NDS355AN
LEVEL
CONVERTER
Q2204
NDS355AN
LEVEL
CONVERTER
Q2205
A114EE
BUFFER
Q2206
C114EE
BUFFER
Q2207
A1530AR
INVERTER
Q2208
C114EE
DELAY
Q2209
C114EE
DELAY
Q2210
A1530AR
INVERTER
Q2211
C114EE
DELAY
Q2212
A114EE
DELAY
Q2213
C114EE
BUFFER
Q2214
A114EE
BUFFER
Q2215
C114EE
LEVEL
CONVERTER
Q2216
A114EE
LEVEL
CINVERTER
D2202
DAN222
D2201
DA221
D2203
DA221
D2204
HSU119
D2205
EX1249CE
(6.2V)
D2206
EX1249CE
(6.2V)
D2207
EX1249CE
(6.2V)
D2208
EX1249CE
(6.2V)
D2210
HSU119
(DDC_5V)
(DDC_SCL)
(DDC_SDA)
(CONFIG_SCL)
(CONFIG_SDA)
(+5V_STB)
(MSTATE)
(+3.3V)
(+2.5V)
(HSYNC)
(VSYNC)
(DE)
DDC_POW
DDC_SDA
DDC_SCL
MSTATE
CONFIG_SCL
CONFIG_SDA
+5V
+5V_STB
+3.3V
+2.5V
SRST
FLASH_W
CSEN2
SMPOW
RXDO_M
TXDO_M
CCKM
LSYNC
CNCT_CK
SII_RST
SP_R
SP_L
SP_GND
A
B
C
D
E
F
G
H
1
2
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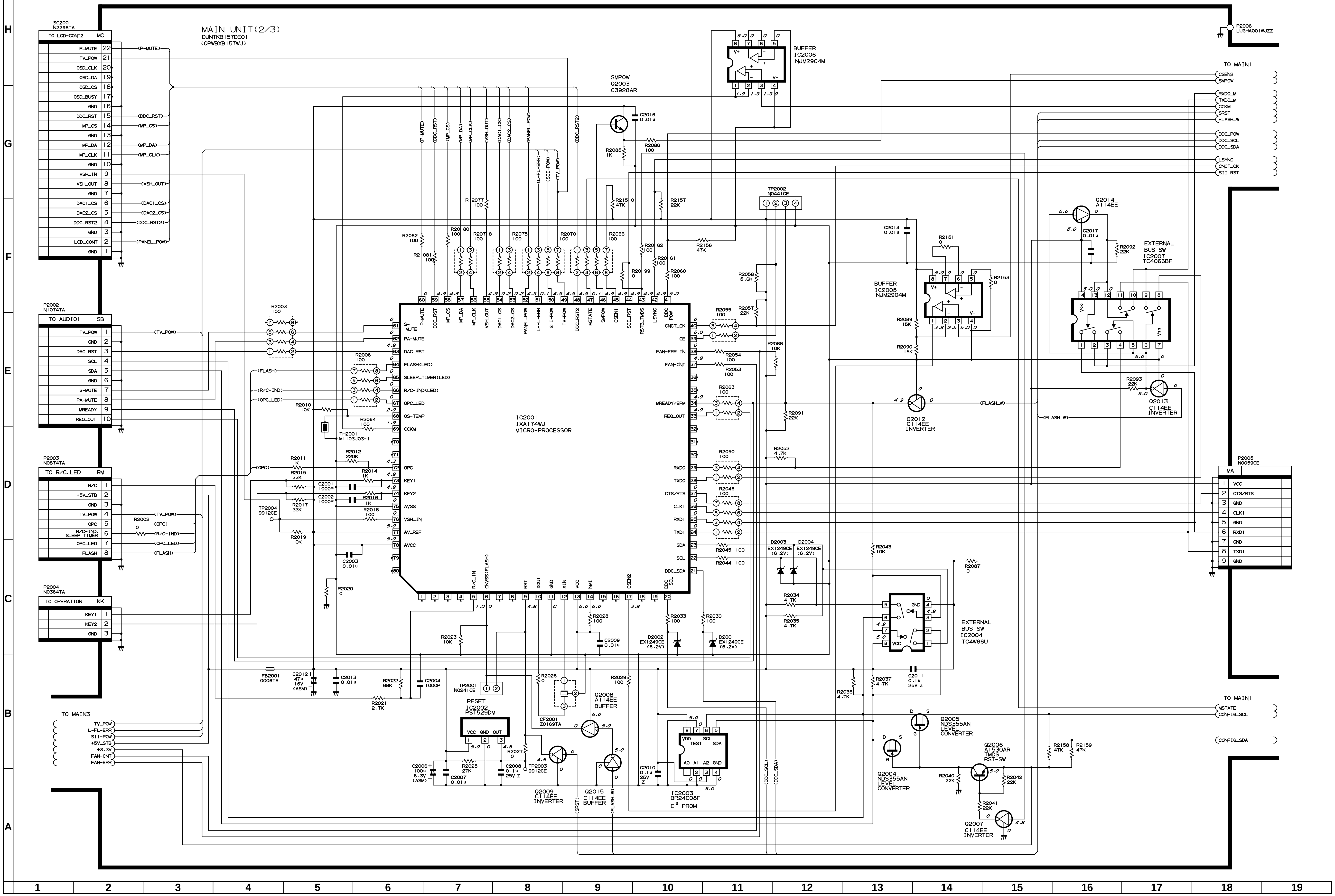
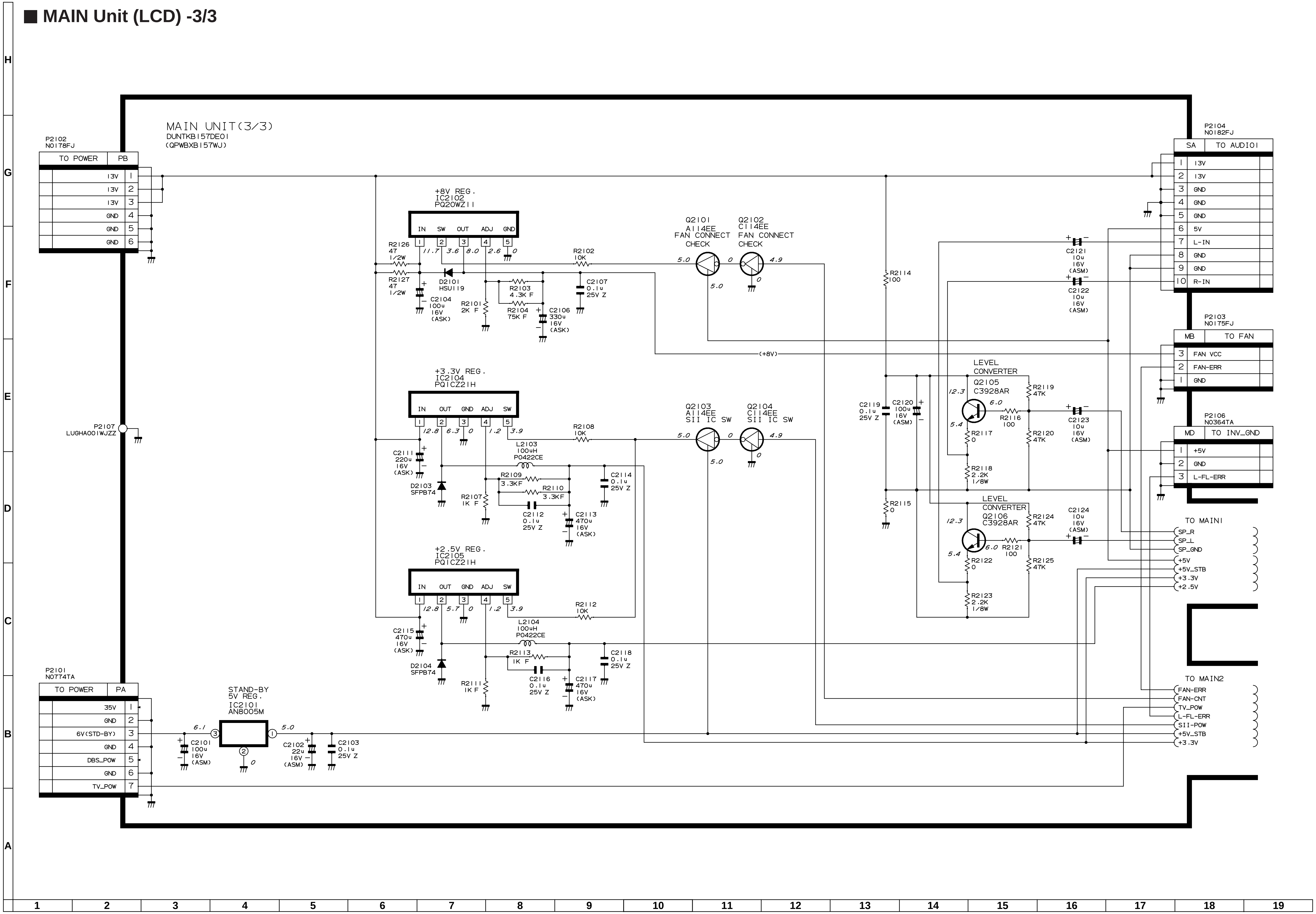
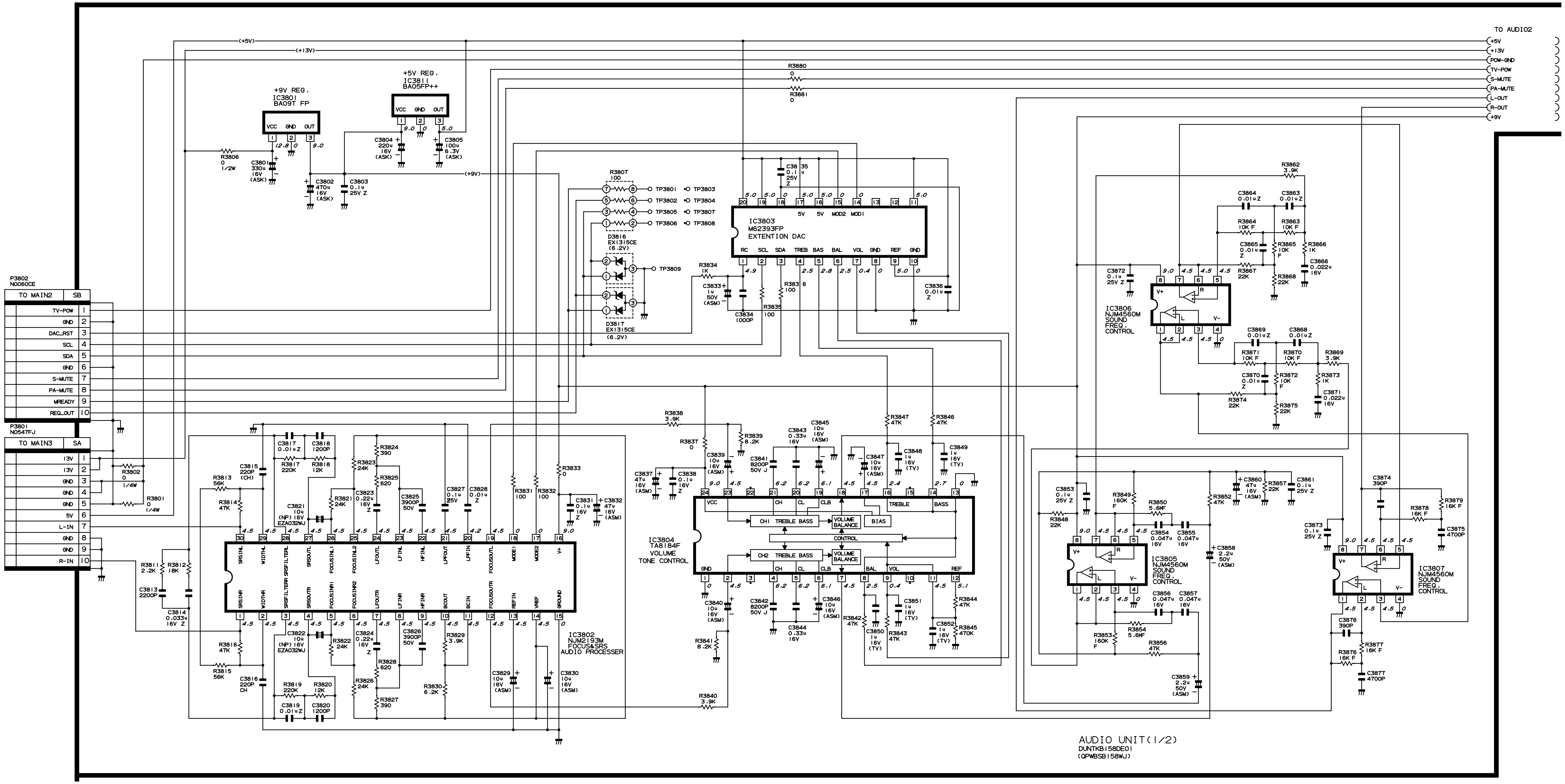
■ MAIN Unit (LCD) -2/3


MAIN UNIT(2/3)
DUNTKB157DE01
(QPWBXB157WJ)
SC2001
N2298TA
TO LCD-CONT2
MC
P_MUTE 22
TV_POW 21
OSD_CLK 20
OSD_DA 19
OSD_CS 18
OSD_BUSY 17
GND 16
DDC_RST 15
MP_CS 14
GND 13
MP_DA 12
MP_CLK 11
GND 10
VSH_IN 9
VSH_OUT 8
GND 7
DAC1_CS 6
DAC2_CS 5
DDC_RST2 4
GND 3
LCD_CONT 2
GND 1
P2002
N1074TA
TO AUDIO1
SB
TV_POW 1
GND 2
DAC_RST 3
SCL 4
SDA 5
GND 6
S-MUTE 7
PA-MUTE 8
MREADY 9
REQ_OUT 10
P2003
N0874TA
TO R/C, LED
RM
R/C 1
+5V_STB 2
GND 3
TV_POW 4
OPC 5
R/C-IND, SLEEP TIMER 6
OPC_LED 7
FLASH 8
P2004
N0364TA
TO OPERATION
KK
KEY1 1
KEY2 2
GND 3
TO MAIN3
TV_POW
L-FL-ERR
SII-POW
+5V_STB
+3.3V
FAN-CNT
FAN-ERR
SMPOW
Q2003
C3928AR
C2016
0.01u
R2085
1K
R2086
100
BUFFER
IC2006
NJM2904M
TP2002
N0441CE
IC2001
IXA174WJ
MICRO-PROCESSOR
TH2001
MI103J03-1
BUFFER
IC2005
NJM2904M
Q2014
A114EE
EXTERNAL
BUS SW
IC2007
TC4066BF
Q2012
C114EE
INVERTER
Q2013
C114EE
INVERTER
P2006
LUGHA001WJZZ
TO MAIN1
CSEN2
SMPOW
RXDO_M
TXDO_M
CCKM
SRST
FLASH_W
DDC_POW
DDC_SCL
DDC_SDA
LSYNC
CNCT_CK
SII_RST
P2005
N0059CE
MA
1 VCC
2 CTS/RTS
3 GND
4 CLK1
5 GND
6 RXD1
7 GND
8 TXD1
9 GND
D2003
EX1249CE
(6.2V)
D2004
EX1249CE
(6.2V)
EXTERNAL
BUS SW
IC2004
TC4W66U
D2002
EX1249CE
(6.2V)
D2001
EX1249CE
(6.2V)
FB2001
0006TA
C2012
47u
16V
(ASM)
C2013
0.01u
C2004
1000P
TP2001
N0241CE
RESET
IC2002
PST529DM
CF2001
Z0169TA
Q2008
A114EE
BUFFER
Q2009
C114EE
INVERTER
Q2015
C114EE
BUFFER
TP2003
9912CE
IC2003
BR24C08F
E² PROM
Q2005
NDS355AN
LEVEL
CONVERTER
Q2004
NDS355AN
LEVEL
CONVERTER
Q2006
A1530AR
TMDS
RST-SW
Q2007
C114EE
INVERTER
TO MAIN1
MSTATE
CONFIG_SCL
CONFIG_SDA
TP2004
9912CE
C2006
100u
6.3V
(ASM)
C2007
0.01u
C2008
0.1u
25V Z
C2009
0.01u
C2010
0.1u
25V Z
C2011
0.1u
25V Z
C2014
0.01u
C2017
0.01u
C2001
1000P
C2002
1000P
C2003
0.01u
H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

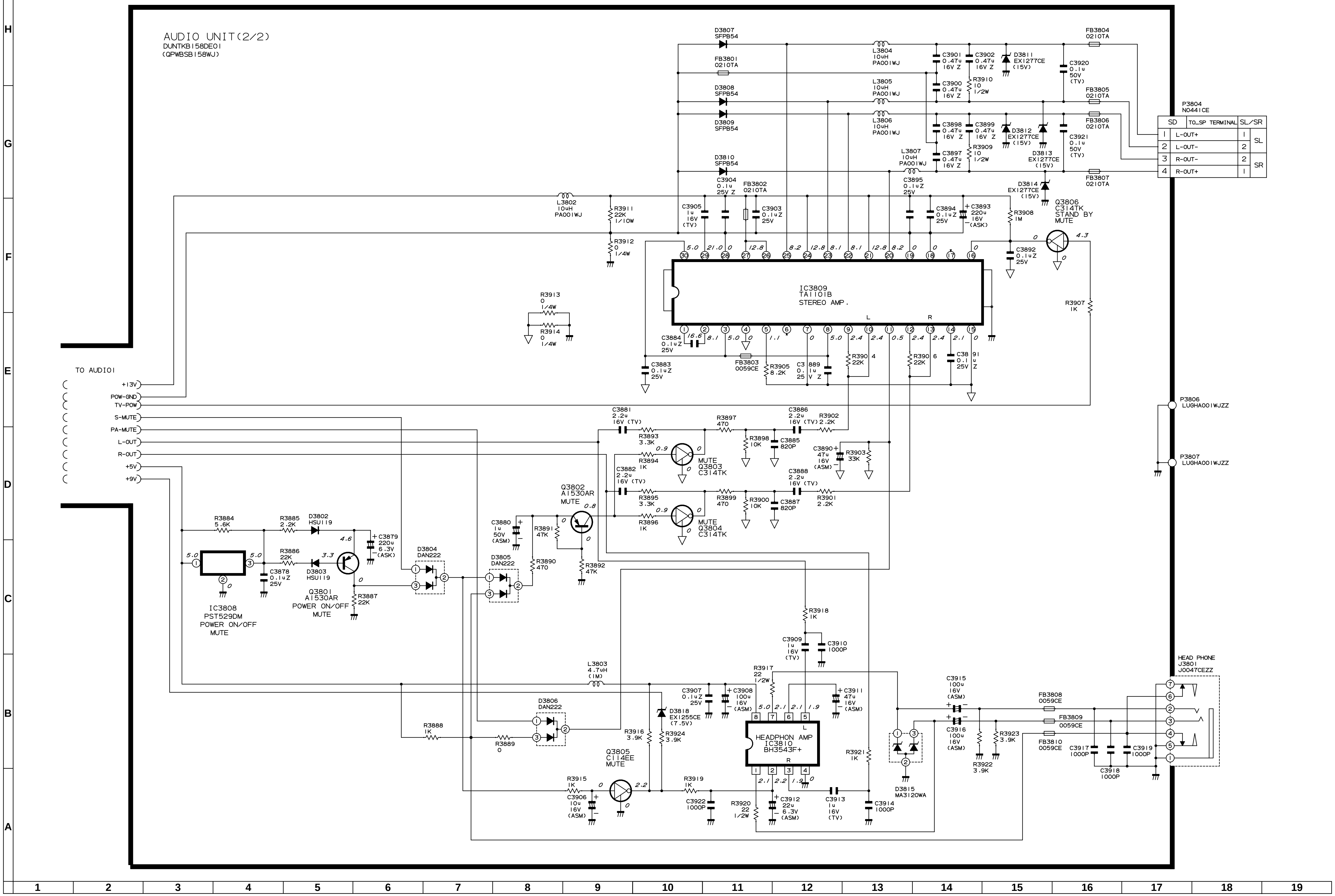
■ MAIN Unit (LCD) -3/3


MAIN UNIT(3/3)
DUNTKB157DE01
(QPWBXB157WJ)
P2102
N0178FJ
TO POWER
PB
13V
GND
P2101
N0774TA
TO POWER
PA
35V
6V(STD-BY)
DBS_POW
TV_POW
P2107
LUGHA001WJZZ
+8V REG.
IC2102
PQ20WZ11
IN SW OUT ADJ GND
+3.3V REG.
IC2104
PQ1CZ21H
IN OUT GND ADJ SW
+2.5V REG.
IC2105
PQ1CZ21H
STAND-BY
5V REG.
IC2101
AN8005M
Q2101
A114EE
FAN CONNECT
CHECK
Q2102
C114EE
FAN CONNECT
CHECK
Q2103
A114EE
SII IC SW
Q2104
C114EE
SII IC SW
LEVEL
CONVERTER
Q2105
C3928AR
LEVEL
CONVERTER
Q2106
C3928AR
R2126 47 1/2W
R2127 47 1/2W
D2101 HSU119
C2104 100u 16V (ASK)
R2101 2K F
R2103 4.3K F
R2104 75K F
C2106 330u 16V (ASK)
R2102 10K
C2107 0.1u 25V Z
C2111 220u 16V (ASK)
D2103 SFPB74
R2107 1K F
L2103 100uH P0422CE
R2109 3.3KF
R2110 3.3KF
C2112 0.1u 25V Z
C2113 470u 16V (ASK)
C2114 0.1u 25V Z
R2108 10K
C2115 470u 16V (ASK)
D2104 SFPB74
R2111 1K F
L2104 100uH P0422CE
R2113 1K F
C2116 0.1u 25V Z
C2117 470u 16V (ASK)
C2118 0.1u 25V Z
R2112 10K
C2101 100u 16V (ASM)
C2102 22u 16V (ASM)
C2103 0.1u 25V Z
R2114 100
R2115 0
C2119 0.1u 25V Z
C2120 100u 16V (ASM)
R2116 100
R2117 0
R2118 2.2K 1/8W
R2119 47K
R2120 47K
R2121 100
R2122 0
R2123 2.2K 1/8W
R2124 47K
R2125 47K
C2121 10u 16V (ASM)
C2122 10u 16V (ASM)
C2123 10u 16V (ASM)
C2124 10u 16V (ASM)
(+8V)
11.7 3.6 8.0 2.6 0
12.8 6.3 0 1.2 3.9
12.8 5.7 0 1.2 3.9
5.0 0 4.9 5.0 0
6.1 5.0 0
12.3 6.0 5.4
P2104
N0182FJ
SA
TO AUDIO1
13V
GND
5V
L-IN
R-IN
P2103
N0175FJ
MB
TO FAN
FAN VCC
FAN-ERR
GND
P2106
N0364TA
MD
TO INV_GND
+5V
GND
L-FL-ERR
TO MAIN1
SP_R
SP_L
SP_GND
+5V
+5V_STB
+3.3V
+2.5V
TO MAIN2
FAN-ERR
FAN-CNT
TV_POW
L-FL-ERR
SII-POW
+5V_STB
+3.3V
H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

■ AUDIO Unit (LCD) -1/2


TO AUDIO2
+5V
+13V
POW-GND
TV-POW
S-MUTE
PA-MUTE
L-OUT
R-OUT
+9V
(+5V)
(+13V)
(+9V)
+9V REG.
IC3801
BA09T FP
+5V REG.
IC3811
BA05FP++
VCC GND OUT
R3880 0
R3881 0
R3806 0 1/2W
C3801 330u 16V (ASK)
C3802 470u 16V (ASK)
C3803 0.1u 25V Z
C3804 220u 16V (ASK)
C3805 100u 6.3V (ASK)
R3807 100
TP3801
TP3802
TP3803
TP3804
TP3805
TP3806
TP3807
TP3808
TP3809
D3816 EX1315CE (6.2V)
D3817 EX1315CE (6.2V)
C3835 0.1u 25V Z
IC3803
M62393FP
EXTENTION DAC
RC SCL SDA TREB BAS BAL VOL GND REF GND
5V 5V MOD2 MOD1
R3834 1K
C3833 1u 50V (ASM)
C3834 1000P
R3835 100
R3836 100
C3836 0.01u Z
P3802
N0060CE
TO MAIN2
SB
TV-POW
GND
DAC_RST
SCL
SDA
GND
S-MUTE
PA-MUTE
MREADY
REQ_OUT
P3801
N0547FJ
TO MAIN3
SA
13V
13V
GND
GND
GND
5V
L-IN
GND
GND
R-IN
R3802 0 1/4W
R3801 0 1/4W
R3811 2.2K
R3812 18K
C3813 2200P
C3814 0.033u 16V Z
R3813 56K
R3814 47K
R3815 56K
R3816 47K
C3815 220P (CH)
C3816 220P CH
C3817 0.01u Z
C3818 1200P
R3817 220K
R3818 12K
C3821 10u (NP) 16V EZA032WJ
C3822 10u (NP) 16V EZA032WJ
R3819 220K
R3820 12K
C3819 0.01u Z
C3820 1200P
R3821 24K
R3822 24K
R3823 24K
R3824 390
R3825 620
C3823 0.22u 16V Z
C3824 0.22u 16V Z
C3825 3900P 50V
C3826 3900P 50V
R3826 24K
R3827 390
R3828 620
C3827 0.1u 25V
C3828 0.01u Z
R3829 3.9K
R3830 6.2K
R3831 100
R3832 100
R3833 0
C3829 10u 16V (ASM)
C3830 10u 16V (ASM)
C3831 0.1u 16V Z
C3832 47u 16V (ASM)
SRSINL WIDTHL SRSFILTERL SRSOUTL FOCUSINL1 FOCUSINL2 LFOUTL LFINL HFINL LPFOUT LPFIN FOCUSOUTL MODE1 MODE2 V+
SRSINR WIDTHR SRSFILTERR SRSOUTR FOCUSINR1 FOCUSINR2 LFOUTR LFINR HFINR BCOUT BCIN FOCUSOUTR REFIN VREF GROUND
IC3802
NJM2193M
FOCUS&SRS
AUDIO PROCESSER
R3838 3.9K
R3837 0
R3839 8.2K
C3837 47u 16V (ASM)
C3838 0.1u 16V Z
C3839 10u 16V (ASM)
C3840 10u 16V (ASM)
R3841 8.2K
R3840 3.9K
C3841 8200P 50V J
C3842 8200P 50V J
C3843 0.33u 16V
C3844 0.33u 16V
C3845 10u 16V (ASM)
C3846 10u 16V (ASM)
C3847 10u 16V (ASM)
C3848 1u 16V (TV)
C3849 1u 16V (TV)
C3850 1u 16V (TV)
C3851 1u 16V (TV)
C3852 1u 16V (TV)
R3842 47K
R3843 47K
R3844 47K
R3845 470K
R3846 47K
R3847 47K
VCC CH CL CLB TREBLE BASS
CH1 TREBLE BASS
CH2 TREBLE BASS
VOLUME BALANCE
BIAS
CONTROL
GND CH CL CLB BAL VOL REF
IC3804
TA8184F
VOLUME
TONE CONTROL
C3853 0.1u 25V Z
R3848 22K
R3849 160K F
R3850 5.6KF
R3852 47K
C3854 0.047u 16V
C3855 0.047u 16V
C3856 0.047u 16V
C3857 0.047u 16V
C3858 2.2u 50V (ASM)
C3859 2.2u 50V (ASM)
R3853 160K F
R3854 5.6KF
R3856 47K
C3860 47u 16V (ASM)
R3857 22K
C3861 0.1u 25V Z
IC3805
NJM4560M
SOUND
FREQ.
CONTROL
R3862 3.9K
C3864 0.01u Z
C3863 0.01u Z
R3864 10K F
R3863 10K F
C3865 0.01u Z
R3865 10K F
R3866 1K
C3866 0.022u 16V
C3872 0.1u 25V Z
R3867 22K
R3868 22K
IC3806
NJM4560M
SOUND
FREQ.
CONTROL
C3869 0.01u Z
C3868 0.01u Z
R3871 10K F
R3870 10K F
R3869 3.9K
C3870 0.01u Z
R3872 10K F
R3873 1K
C3871 0.022u 16V
R3874 22K
R3875 22K
C3874 390P
R3878 16K F
R3879 16K F
C3875 4700P
C3873 0.1u 25V Z
IC3807
NJM4560M
SOUND
FREQ.
CONTROL
C3876 390P
R3877 16K F
R3876 16K F
C3877 4700P
V+ V- R L
AUDIO UNIT(1/2)
DUNTKB158DE01
(QPWBSB158WJ)

■ AUDIO Unit (LCD) -2/2


AUDIO UNIT(2/2)
DUNTKB158DE01
(QPWBSB158WJ)
TO AUDIO1
+13V
POW-GND
TV-POW
S-MUTE
PA-MUTE
L-OUT
R-OUT
+5V
+9V
IC3809
TA1101B
STEREO AMP.
IC3808
PST529DM
POWER ON/OFF
MUTE
Q3801
A1530AR
POWER ON/OFF
MUTE
Q3802
A1530AR
MUTE
MUTE
Q3803
C314TK
MUTE
Q3804
C314TK
Q3805
C114EE
MUTE
Q3806
C314TK
STAND BY
MUTE
HEADPHON AMP
IC3810
BH3543F+
D3802
HSU119
D3803
HSU119
D3804
DAN222
D3805
DAN222
D3806
DAN222
D3807
SFPB54
D3808
SFPB54
D3809
SFPB54
D3810
SFPB54
D3811
EX1277CE
(15V)
D3812
EX1277CE
(15V)
D3813
EX1277CE
(15V)
D3814
EX1277CE
(15V)
D3815
MA3120WA
D3818
EX1255CE
(7.5V)
L3802
10uH
PA001WJ
L3803
4.7uH
(1M)
L3804
10uH
PA001WJ
L3805
10uH
PA001WJ
L3806
10uH
PA001WJ
L3807
10uH
PA001WJ
FB3801
0210TA
FB3802
0210TA
FB3803
0059CE
FB3804
0210TA
FB3805
0210TA
FB3806
0210TA
FB3807
0210TA
FB3808
0059CE
FB3809
0059CE
FB3810
0059CE
P3804
N0441CE
SD
TO_SP TERMINAL
SL/SR
1 L-OUT+ 1
2 L-OUT- 2
3 R-OUT- 2
4 R-OUT+ 1
SL
SR
P3806
LUGHA001WJZZ
P3807
LUGHA001WJZZ
HEAD PHONE
J3801
J0047CEZZ
R3884 5.6K
R3885 2.2K
R3886 22K
R3887 22K
R3888 1K
R3889 0
R3890 470
R3891 47K
R3892 47K
R3893 3.3K
R3894 1K
R3895 3.3K
R3896 1K
R3897 470
R3898 10K
R3899 470
R3900 10K
R3901 2.2K
R3902 2.2K
R3903 33K
R3904 22K
R3905 8.2K
R3906 22K
R3907 1K
R3908 1M
R3909 10 1/2W
R3910 10 1/2W
R3911 22K 1/10W
R3912 0 1/4W
R3913 0 1/4W
R3914 0 1/4W
R3915 1K
R3916 3.9K
R3917 22 1/2W
R3918 1K
R3919 1K
R3920 22 1/2W
R3921 1K
R3922 3.9K
R3923 3.9K
R3924 3.9K
C3878 0.1uZ 25V
C3879 220u 6.3V (ASK)
C3880 1u 50V (ASM)
C3881 2.2u 16V (TV)
C3882 2.2u 16V (TV)
C3883 0.1uZ 25V
C3884 0.1uZ 25V
C3885 820P
C3886 2.2u 16V (TV)
C3887 820P
C3888 2.2u 16V (TV)
C3889 0.1u 25V Z
C3890 47u 16V (ASM)
C3891 0.1u 25V Z
C3892 0.1uZ 25V
C3893 220u 16V (ASK)
C3894 0.1uZ 25V
C3895 0.1uZ 25V
C3897 0.47u 16V Z
C3898 0.47u 16V Z
C3899 0.47u 16V Z
C3900 0.47u 16V Z
C3901 0.47u 16V Z
C3902 0.47u 16V Z
C3903 0.1uZ 25V
C3904 0.1u 25V Z
C3905 1u 16V (TV)
C3906 10u 16V (ASM)
C3907 0.1uZ 25V
C3908 100u 16V (ASM)
C3909 1u 16V (TV)
C3910 1000P
C3911 47u 16V (ASM)
C3912 22u 6.3V (ASM)
C3913 1u 16V (TV)
C3914 1000P
C3915 100u 16V (ASM)
C3916 100u 16V (ASM)
C3917 1000P
C3918 1000P
C3919 1000P
C3920 0.1u 50V (TV)
C3921 0.1u 50V (TV)
C3922 1000P
H
G
F
E
D
C
B
A
1
2
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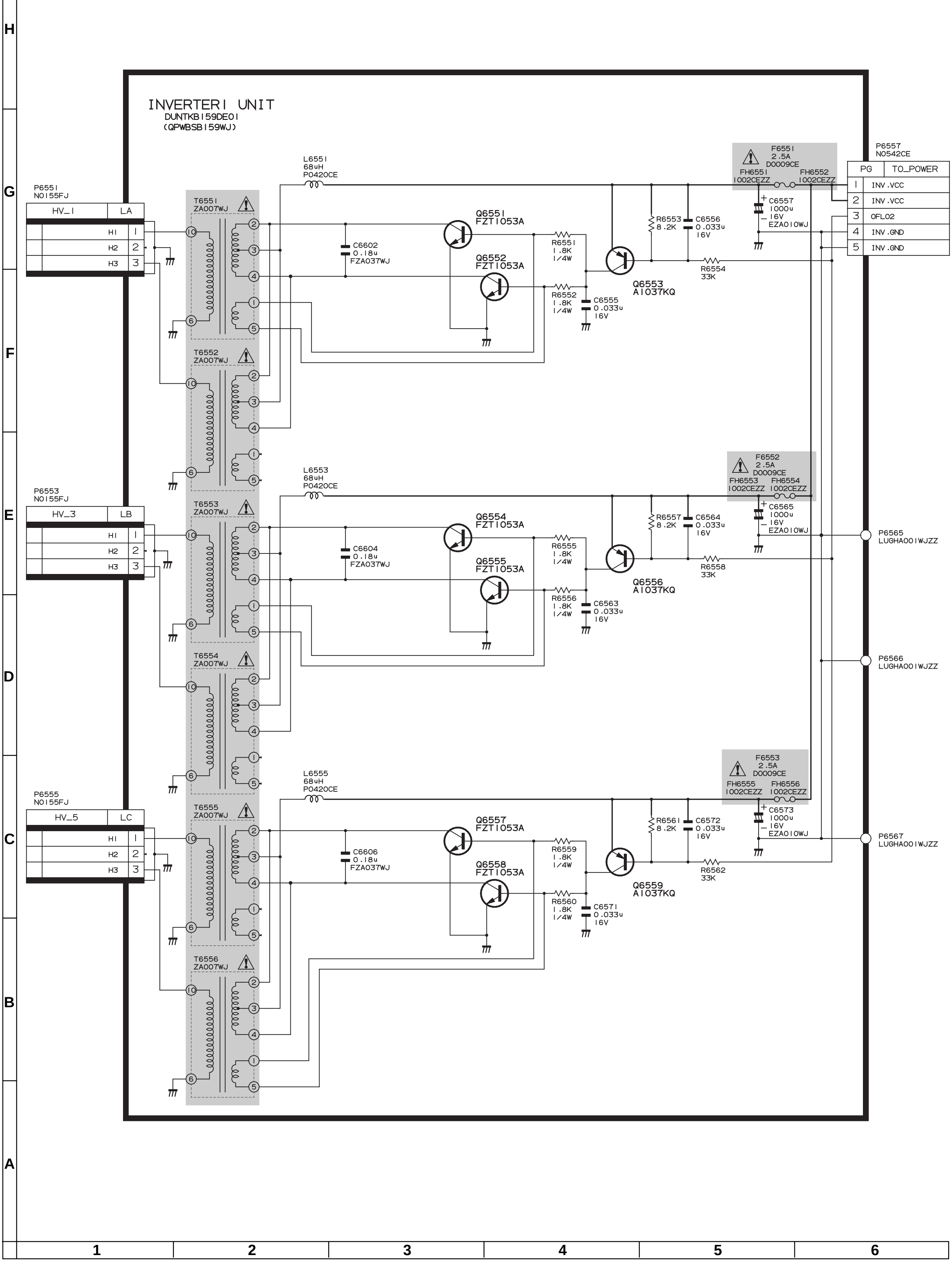
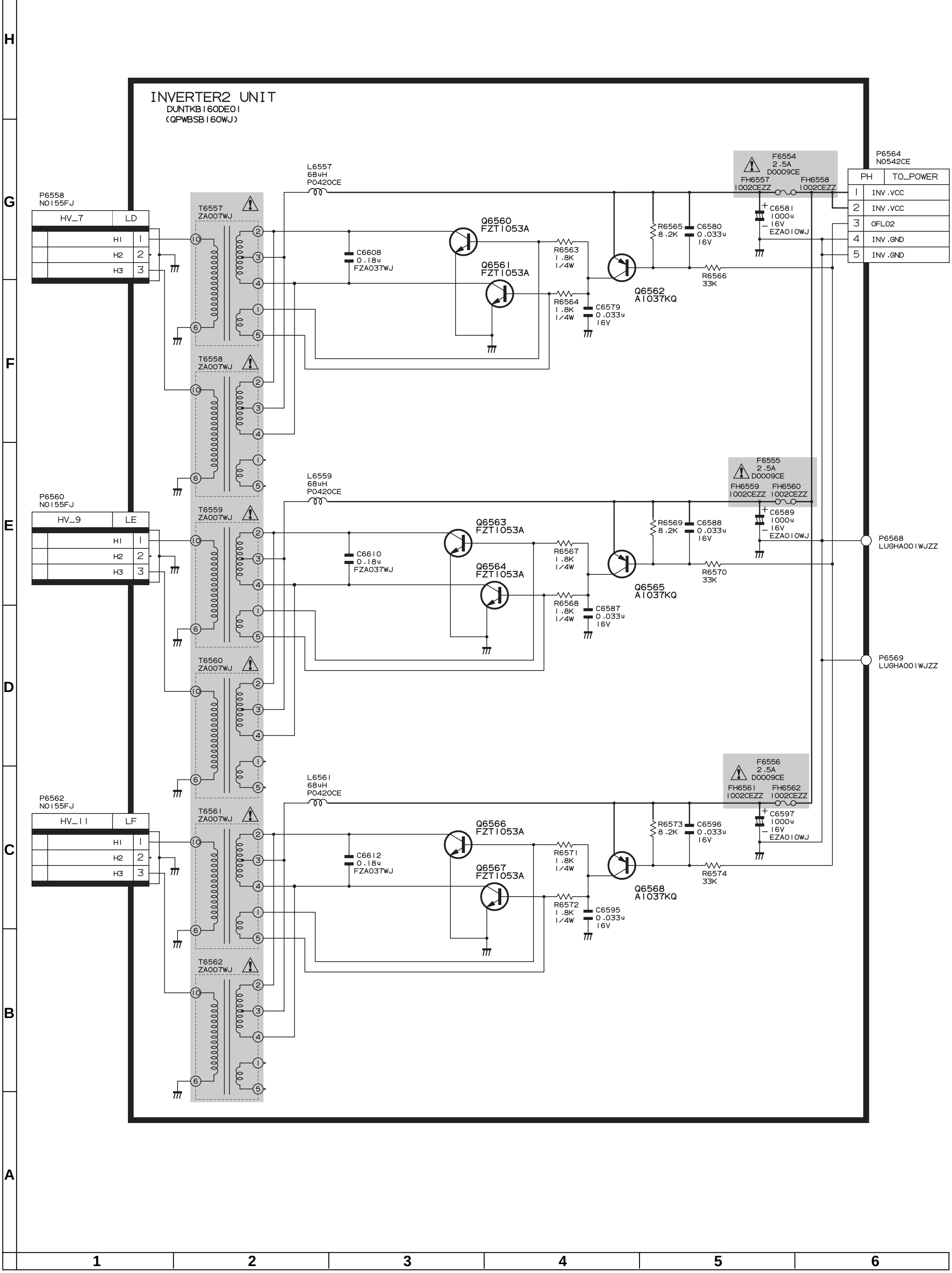
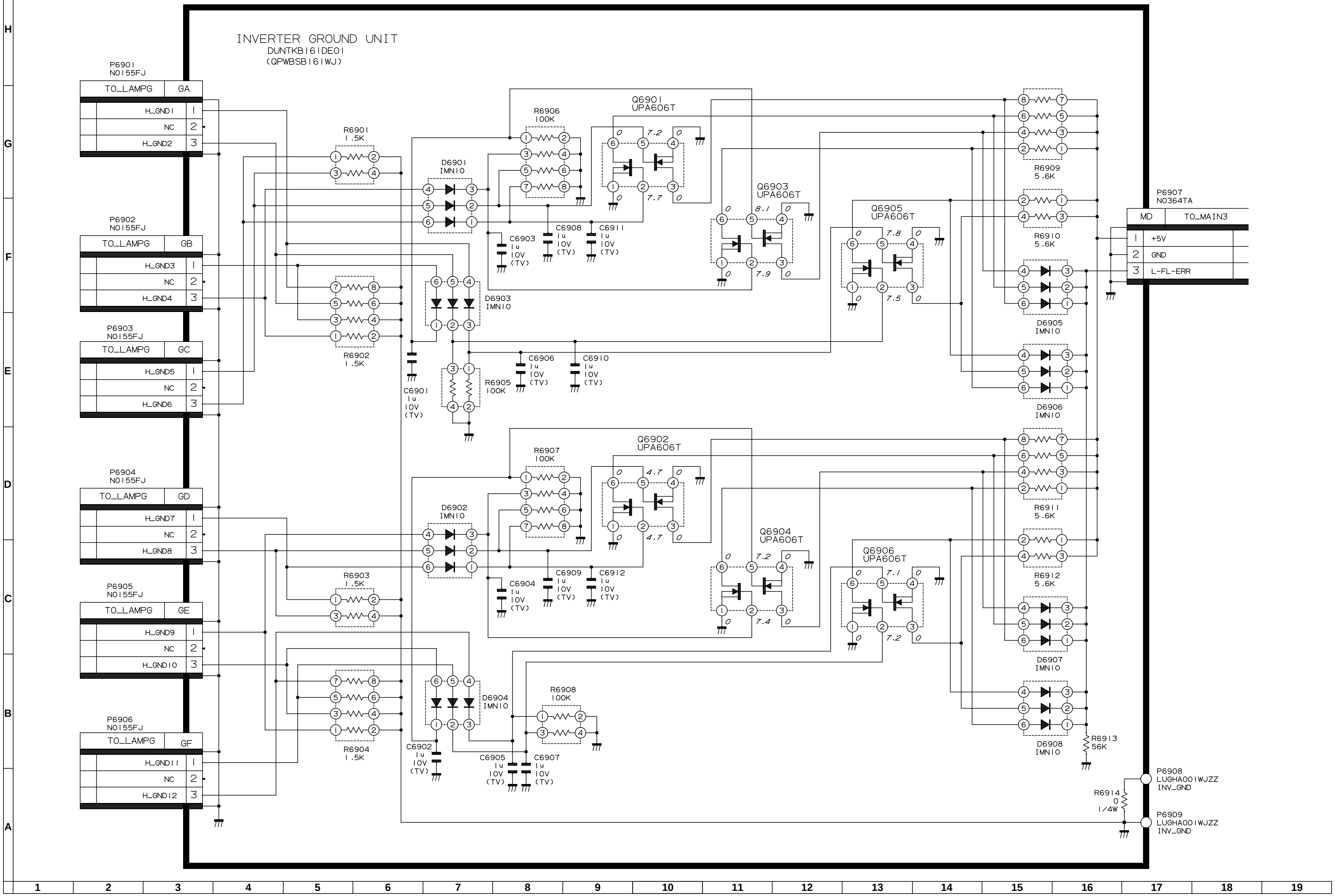
■ INVERTER 1 Unit (LCD)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
INVERTER1 UNIT
DUNTKB159DE01
(QPWBSB159WJ)
P6551
N0155FJ
HV_1
LA
H1 1
H2 2
H3 3
P6553
N0155FJ
HV_3
LB
H1 1
H2 2
H3 3
P6555
N0155FJ
HV_5
LC
H1 1
H2 2
H3 3
T6551
ZA007WJ
T6552
ZA007WJ
T6553
ZA007WJ
T6554
ZA007WJ
T6555
ZA007WJ
T6556
ZA007WJ
L6551
68uH
P0420CE
L6553
68uH
P0420CE
L6555
68uH
P0420CE
C6602
0.18u
FZA037WJ
C6604
0.18u
FZA037WJ
C6606
0.18u
FZA037WJ
Q6551
FZT1053A
Q6552
FZT1053A
Q6554
FZT1053A
Q6555
FZT1053A
Q6557
FZT1053A
Q6558
FZT1053A
R6551
1.8K
1/4W
R6552
1.8K
1/4W
R6555
1.8K
1/4W
R6556
1.8K
1/4W
R6559
1.8K
1/4W
R6560
1.8K
1/4W
C6555
0.033u
16V
C6563
0.033u
16V
C6571
0.033u
16V
Q6553
A1037KQ
Q6556
A1037KQ
Q6559
A1037KQ
R6553
8.2K
R6557
8.2K
R6561
8.2K
C6556
0.033u
16V
C6564
0.033u
16V
C6572
0.033u
16V
R6554
33K
R6558
33K
R6562
33K
F6551
2.5A
D0009CE
FH6551
1002CEZZ
FH6552
1002CEZZ
F6552
2.5A
D0009CE
FH6553
1002CEZZ
FH6554
1002CEZZ
F6553
2.5A
D0009CE
FH6555
1002CEZZ
FH6556
1002CEZZ
C6557
1000u
16V
EZA010WJ
C6565
1000u
16V
EZA010WJ
C6573
1000u
16V
EZA010WJ
P6557
N0542CE
PG
TO_POWER
1 INV.VCC
2 INV.VCC
3 OFL02
4 INV.GND
5 INV.GND
P6565
LUGHA001WJZZ
P6566
LUGHA001WJZZ
P6567
LUGHA001WJZZ

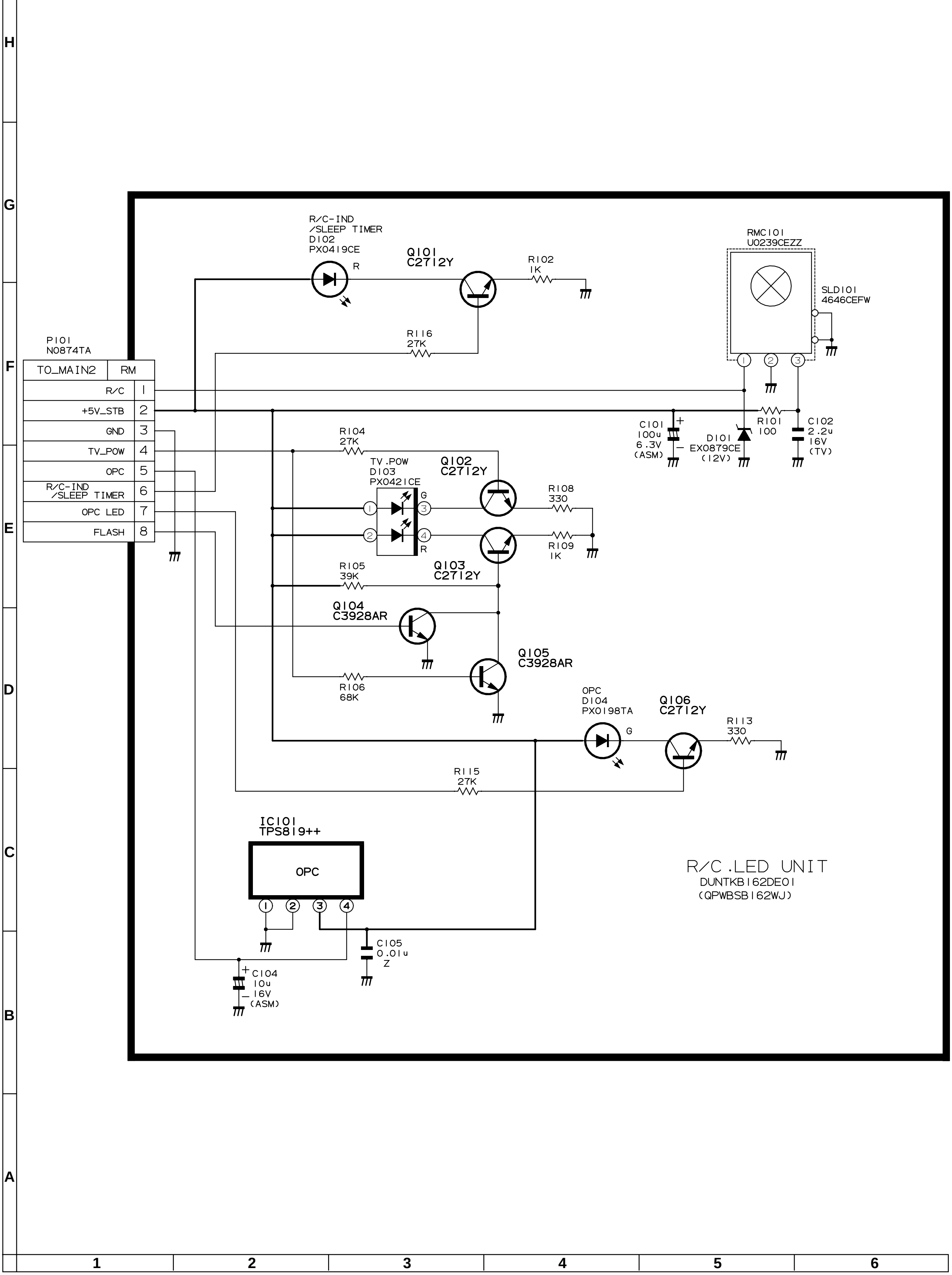
■ INVERTER 2 Unit (LCD)


INVERTER2 UNIT
DUNTKB160DE01
(QPWBSB160WJ)
H
G
F
E
D
C
B
A
1
2
3
4
5
6
P6558
N0155FJ
HV_7
LD
H1
H2
H3
1
2
3
P6560
N0155FJ
HV_9
LE
P6562
N0155FJ
HV_11
LF
T6557
ZA007WJ
T6558
ZA007WJ
T6559
ZA007WJ
T6560
ZA007WJ
T6561
ZA007WJ
T6562
ZA007WJ
L6557
68uH
P0420CE
L6559
68uH
P0420CE
L6561
68uH
P0420CE
C6608
0.18u
FZA037WJ
C6610
0.18u
FZA037WJ
C6612
0.18u
FZA037WJ
Q6560
FZT1053A
Q6561
FZT1053A
Q6563
FZT1053A
Q6564
FZT1053A
Q6566
FZT1053A
Q6567
FZT1053A
Q6562
A1037KQ
Q6565
A1037KQ
Q6568
A1037KQ
R6563
1.8K
1/4W
R6564
1.8K
1/4W
R6567
1.8K
1/4W
R6568
1.8K
1/4W
R6571
1.8K
1/4W
R6572
1.8K
1/4W
C6579
0.033u
16V
C6587
0.033u
16V
C6595
0.033u
16V
R6565
8.2K
R6569
8.2K
R6573
8.2K
C6580
0.033u
16V
C6588
0.033u
16V
C6596
0.033u
16V
R6566
33K
R6570
33K
R6574
33K
C6581
1000u
16V
EZA010WJ
C6589
1000u
16V
EZA010WJ
C6597
1000u
16V
EZA010WJ
F6554
2.5A
D0009CE
FH6557
1002CEZZ
FH6558
1002CEZZ
F6555
2.5A
D0009CE
FH6559
1002CEZZ
FH6560
1002CEZZ
F6556
2.5A
D0009CE
FH6561
1002CEZZ
FH6562
1002CEZZ
P6564
N0542CE
PH
TO_POWER
1
INV.VCC
2
INV.VCC
3
0FL02
4
INV.GND
5
INV.GND
P6568
LUGHA001WJZZ
P6569
LUGHA001WJZZ

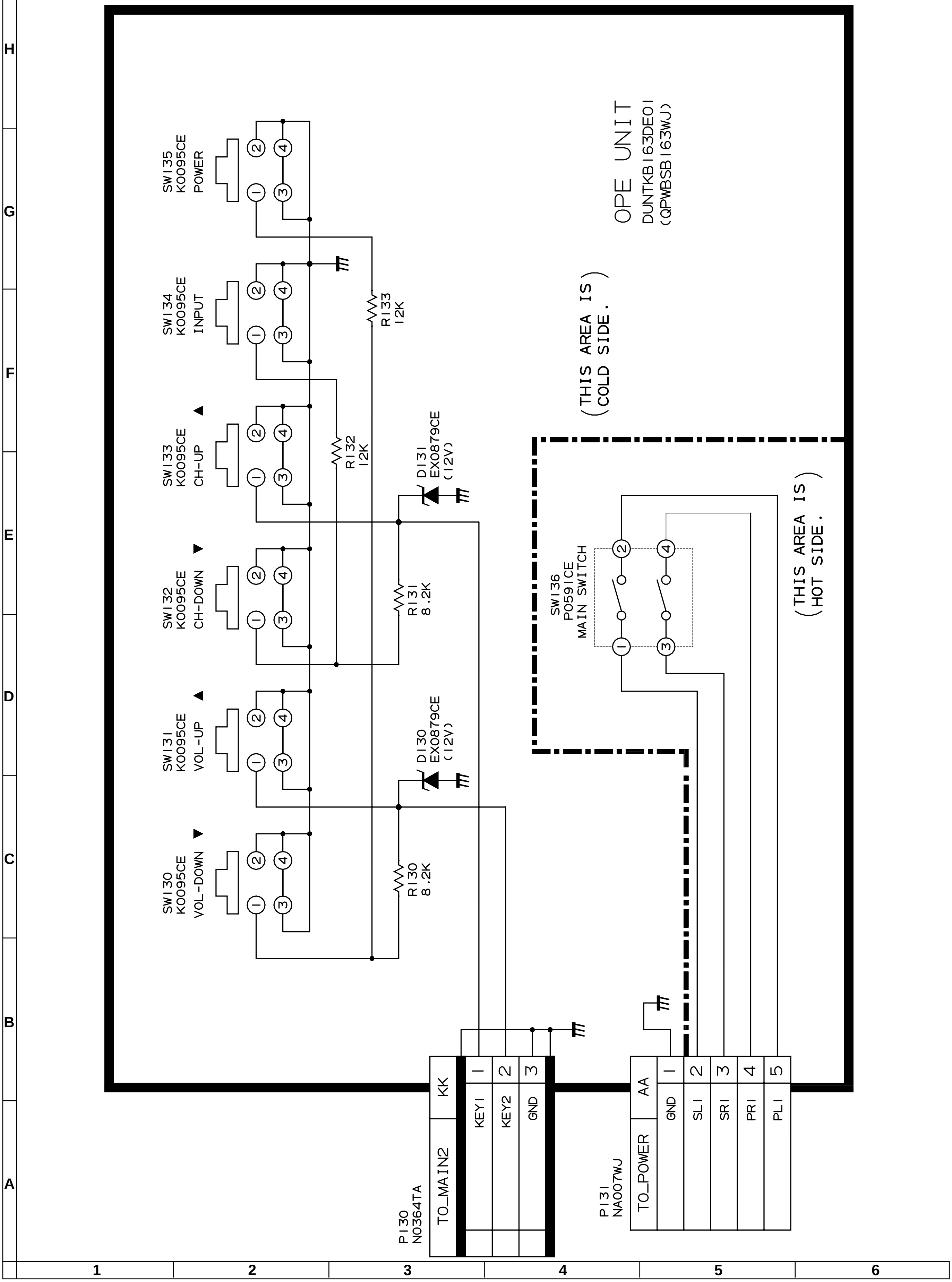
■ INVERTER GND Unit (LCD)


INVERTER GROUND UNIT
DUNTKB161DE01
(QPWBSB161WJ)
P6901
N0155FJ
TO_LAMPG GA
H_GND1 1
NC 2
H_GND2 3
P6902
N0155FJ
TO_LAMPG GB
H_GND3 1
NC 2
H_GND4 3
P6903
N0155FJ
TO_LAMPG GC
H_GND5 1
NC 2
H_GND6 3
P6904
N0155FJ
TO_LAMPG GD
H_GND7 1
NC 2
H_GND8 3
P6905
N0155FJ
TO_LAMPG GE
H_GND9 1
NC 2
H_GND10 3
P6906
N0155FJ
TO_LAMPG GF
H_GND11 1
NC 2
H_GND12 3
R6901
1.5K
R6902
1.5K
R6903
1.5K
R6904
1.5K
D6901
IMN10
D6902
IMN10
D6903
IMN10
D6904
IMN10
R6905
100K
R6906
100K
R6907
100K
R6908
100K
C6901
1u
10V
(TV)
C6902
1u
10V
(TV)
C6903
1u
10V
(TV)
C6904
1u
10V
(TV)
C6905
1u
10V
(TV)
C6906
1u
10V
(TV)
C6907
1u
10V
(TV)
C6908
1u
10V
(TV)
C6909
1u
10V
(TV)
C6910
1u
10V
(TV)
C6911
1u
10V
(TV)
C6912
1u
10V
(TV)
Q6901
UPA606T
Q6902
UPA606T
Q6903
UPA606T
Q6904
UPA606T
Q6905
UPA606T
Q6906
UPA606T
0
7.2
7.7
4.7
8.1
7.9
7.8
7.5
7.4
7.1
R6909
5.6K
R6910
5.6K
R6911
5.6K
R6912
5.6K
D6905
IMN10
D6906
IMN10
D6907
IMN10
D6908
IMN10
R6913
56K
R6914
0
1/4W
P6907
N0364TA
MD TO_MAIN3
1 +5V
2 GND
3 L-FL-ERR
P6908
LUGHA001WJZZ
INV_GND
P6909
LUGHA001WJZZ
INV_GND
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

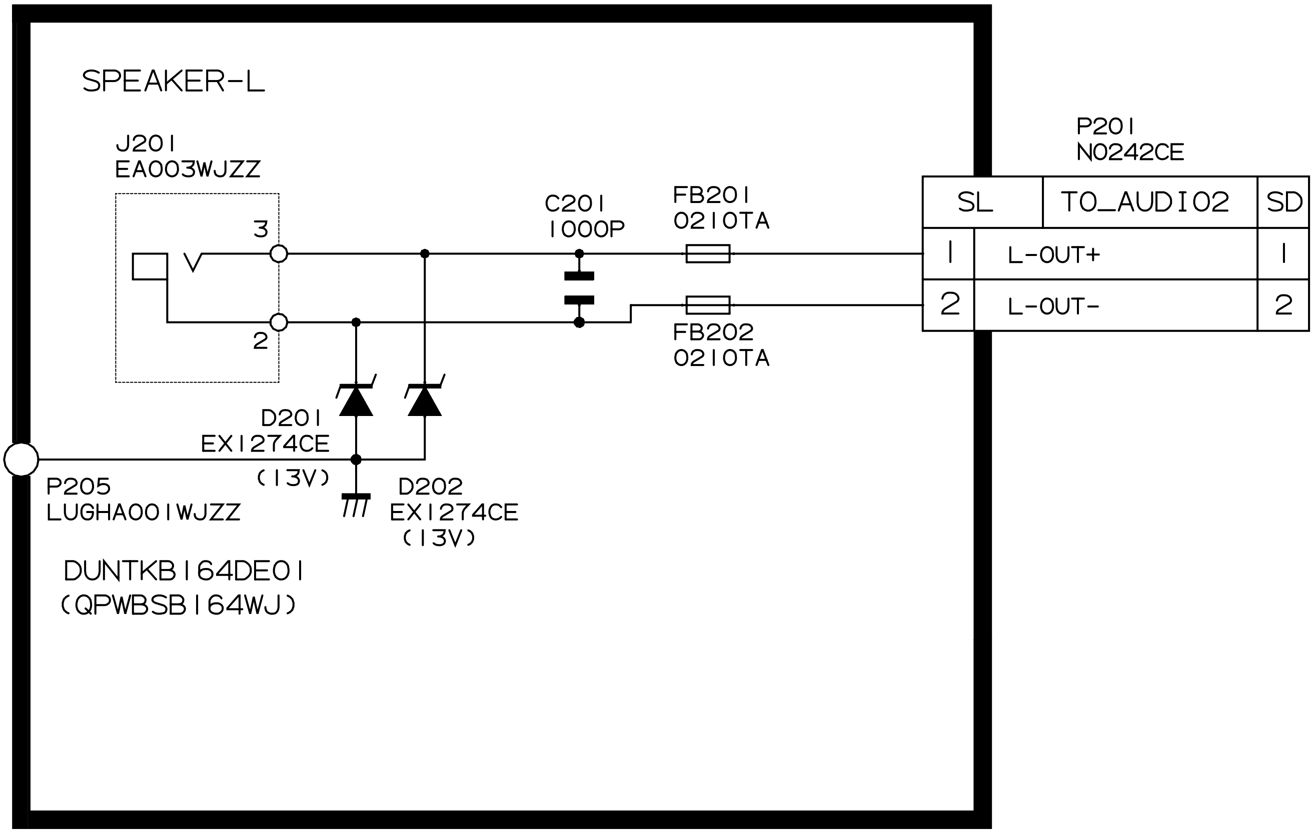
■ R/C and LED Unit (LCD)


R/C-IND
/SLEEP TIMER
D102
PX0419CE
R
Q101
C2712Y
R102
1K
RMC101
U0239CEZZ
SLD101
4646CEFW
P101
N0874TA
TO_MAIN2
RM
R/C 1
+5V_STB 2
GND 3
TV_POW 4
OPC 5
R/C-IND /SLEEP TIMER 6
OPC LED 7
FLASH 8
R116
27K
R104
27K
TV.POW
D103
PX0421CE
G
R
1
2
3
4
Q102
C2712Y
R108
330
R109
1K
Q103
C2712Y
R105
39K
Q104
C3928AR
Q105
C3928AR
R106
68K
C101
100u
6.3V
(ASM)
D101
EX0879CE
(12V)
R101
100
C102
2.2u
16V
(TV)
OPC
D104
PX0198TA
G
Q106
C2712Y
R113
330
R115
27K
IC101
TPS819++
OPC
1
2
3
4
C105
0.01u
Z
C104
10u
16V
(ASM)
R/C.LED UNIT
DUNTKB162DE01
(QPWBSB162WJ)
H
G
F
E
D
C
B
A
1
2
3
4
5
6

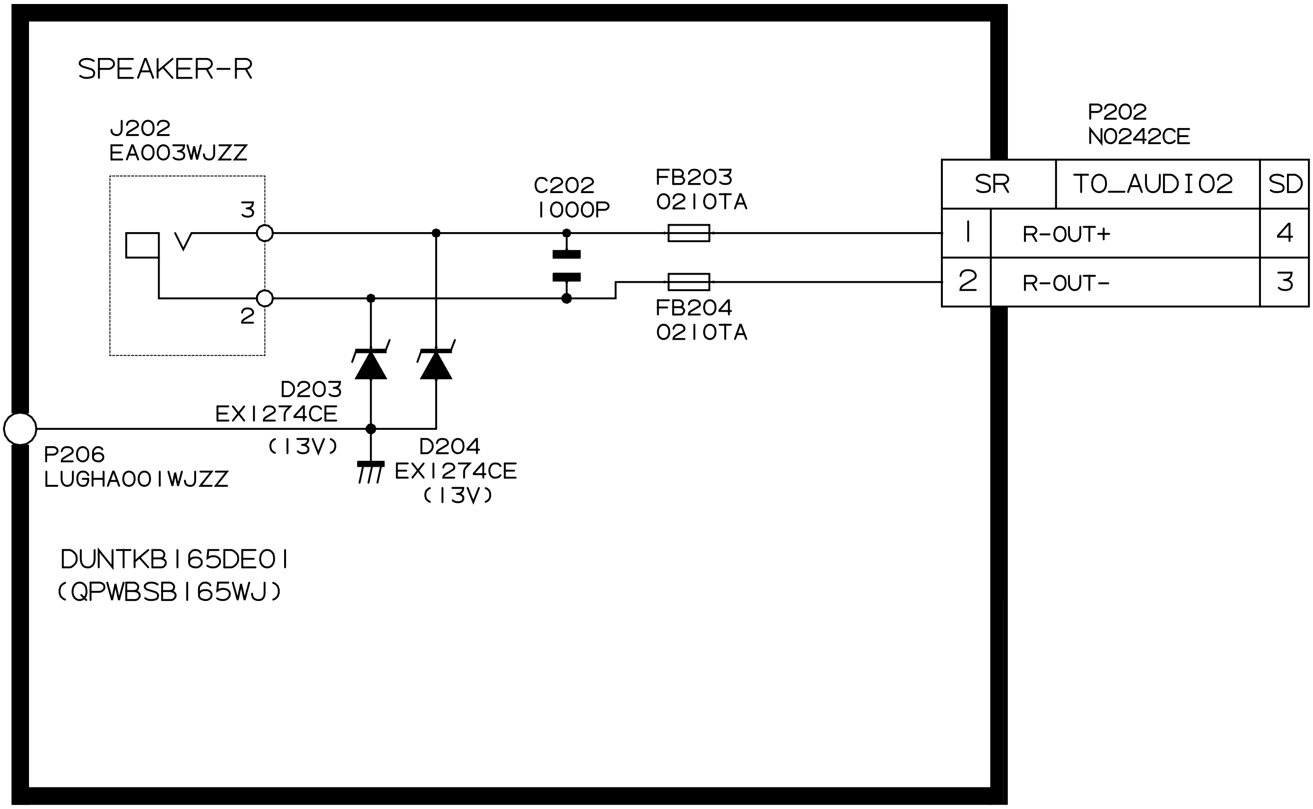
■ OPERATION Unit (LCD)


SW135
K0095CE
POWER
SW134
K0095CE
INPUT
SW133
K0095CE
CH-UP
SW132
K0095CE
CH-DOWN
SW131
K0095CE
VOL-UP
SW130
K0095CE
VOL-DOWN
R133
12K
R132
12K
R131
8.2K
R130
8.2K
D131
EX0879CE
(12V)
D130
EX0879CE
(12V)
OPE UNIT
DUNTKB163DE01
(QPWBSB163WJ)
(THIS AREA IS
COLD SIDE.)
(THIS AREA IS
HOT SIDE.)
SW136
P0591CE
MAIN SWITCH
KK
1
2
3
KEY1
KEY2
GND
TO_MAIN2
P130
N0364TA
AA
1
2
3
4
5
GND
SL1
SR1
PR1
PL1
TO_POWER
P131
NA007WJ
H
G
F
E
D
C
B
A
1
2
3
4
5
6

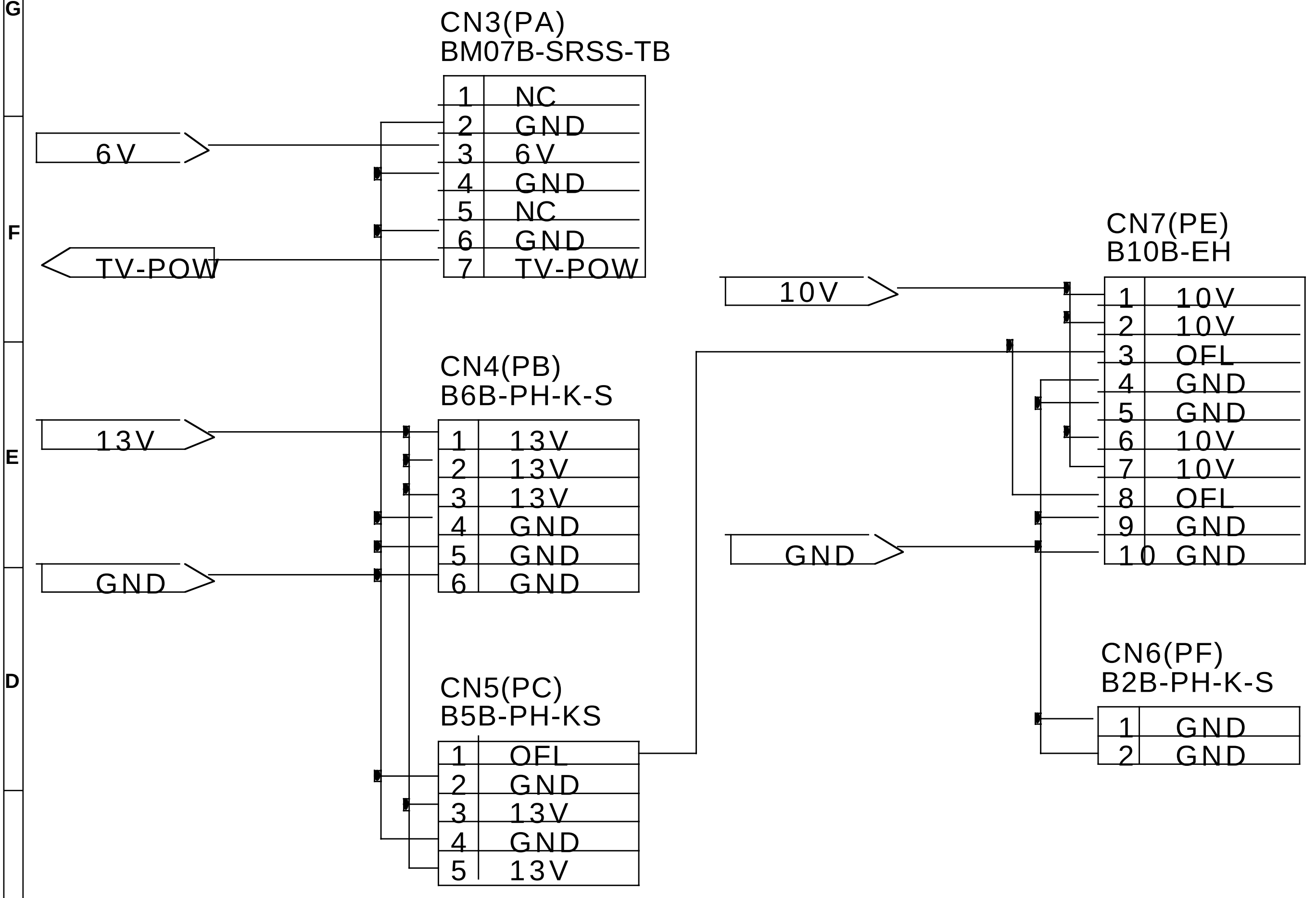
■ SPEAKER-L Unit (LCD)


SPEAKER-L
J201
EA003WJZZ
3
2
C201
1000P
FB201
0210TA
FB202
0210TA
P201
N0242CE
SL
TO_AUDIO2
SD
1
L-OUT+
1
2
L-OUT-
2
D201
EX1274CE
(13V)
D202
EX1274CE
(13V)
P205
LUGHA001WJZZ
DUNTKB164DE01
(QPWBSB164WJ)

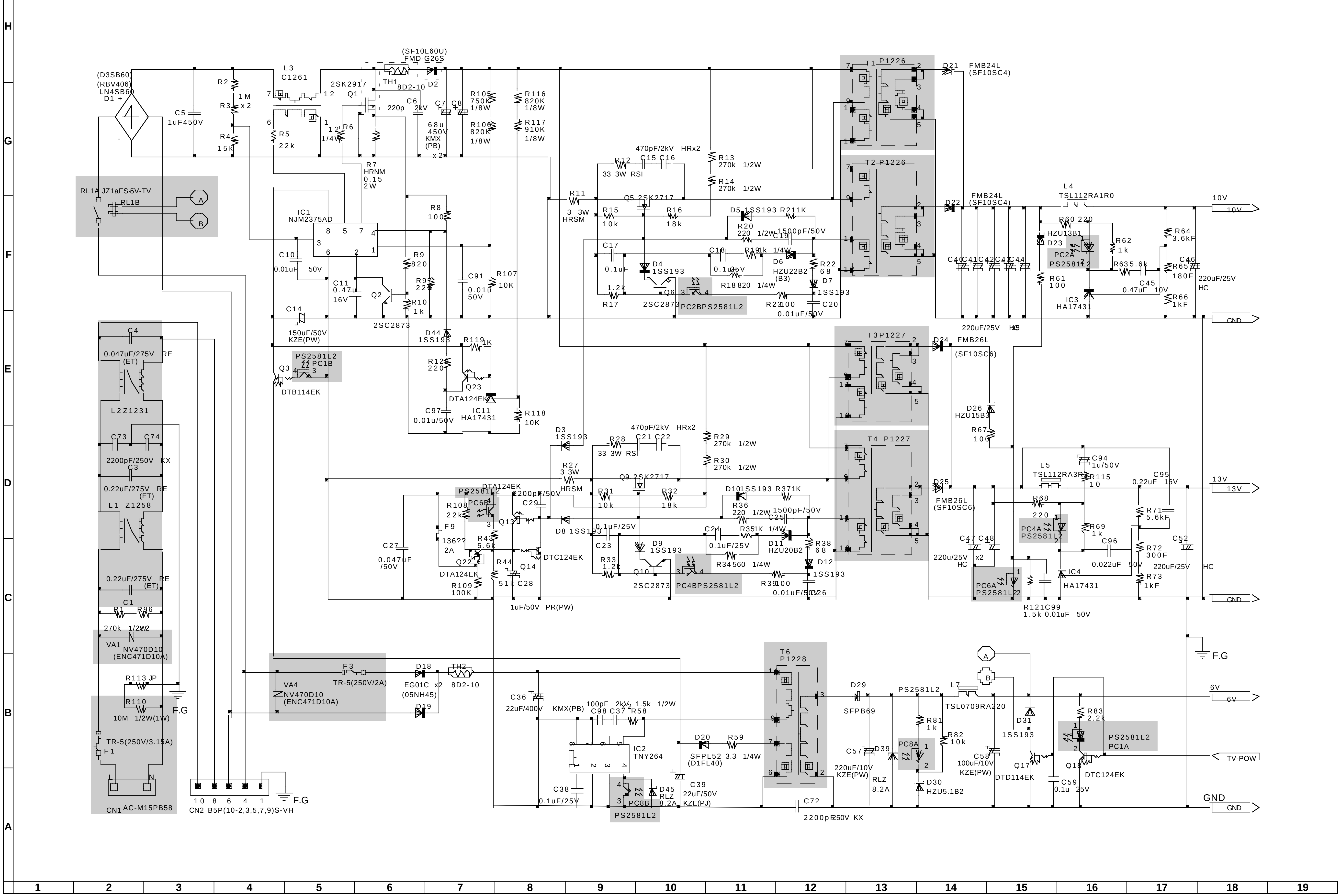
■ SPEAKER-L Unit (LCD)


SPEAKER-R
J202
EA003WJZZ
3
2
C202
1000P
FB203
0210TA
FB204
0210TA
P202
N0242CE
SR
TO_AUDIO2
SD
1
R-OUT+
4
2
R-OUT-
3
D203
EX1274CE
(13V)
D204
EX1274CE
(13V)
P206
LUGHA001WJZZ
DUNTKB165DE01
(QPWBSB165WJ)

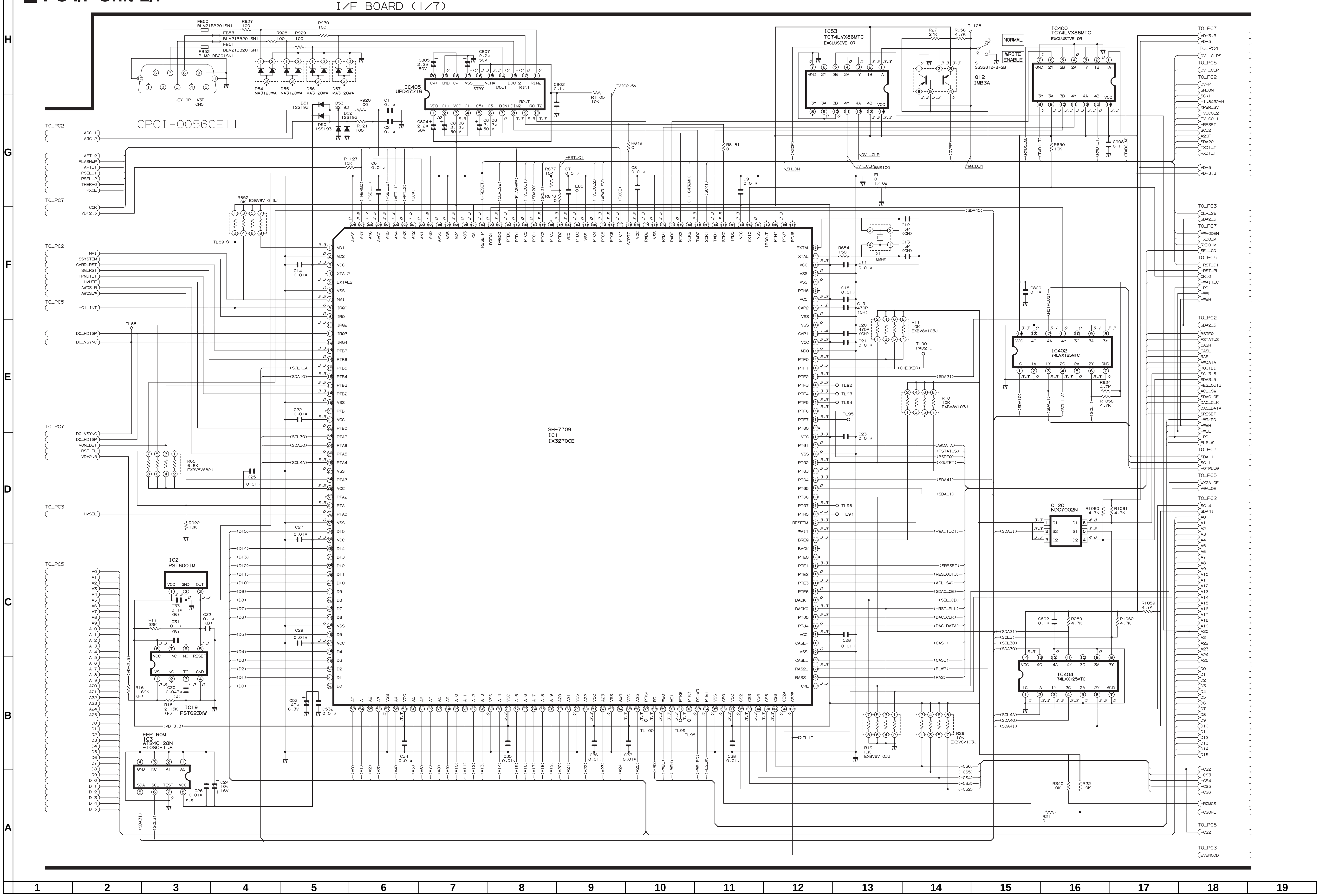
■ POWER Unit (LCD)-1/2


CN3(PA)
BM07B-SRSS-TB
1 NC
2 GND
3 6V
4 GND
5 NC
6 GND
7 TV-POW
6V
TV-POW
CN4(PB)
B6B-PH-K-S
1 13V
2 13V
3 13V
4 GND
5 GND
6 GND
13V
GND
CN5(PC)
B5B-PH-KS
1 OFL
2 GND
3 13V
4 GND
5 13V
CN7(PE)
B10B-EH
1 10V
2 10V
3 OFL
4 GND
5 GND
6 10V
7 10V
8 OFL
9 GND
10 GND
10V
GND
CN6(PF)
B2B-PH-K-S
1 GND
2 GND

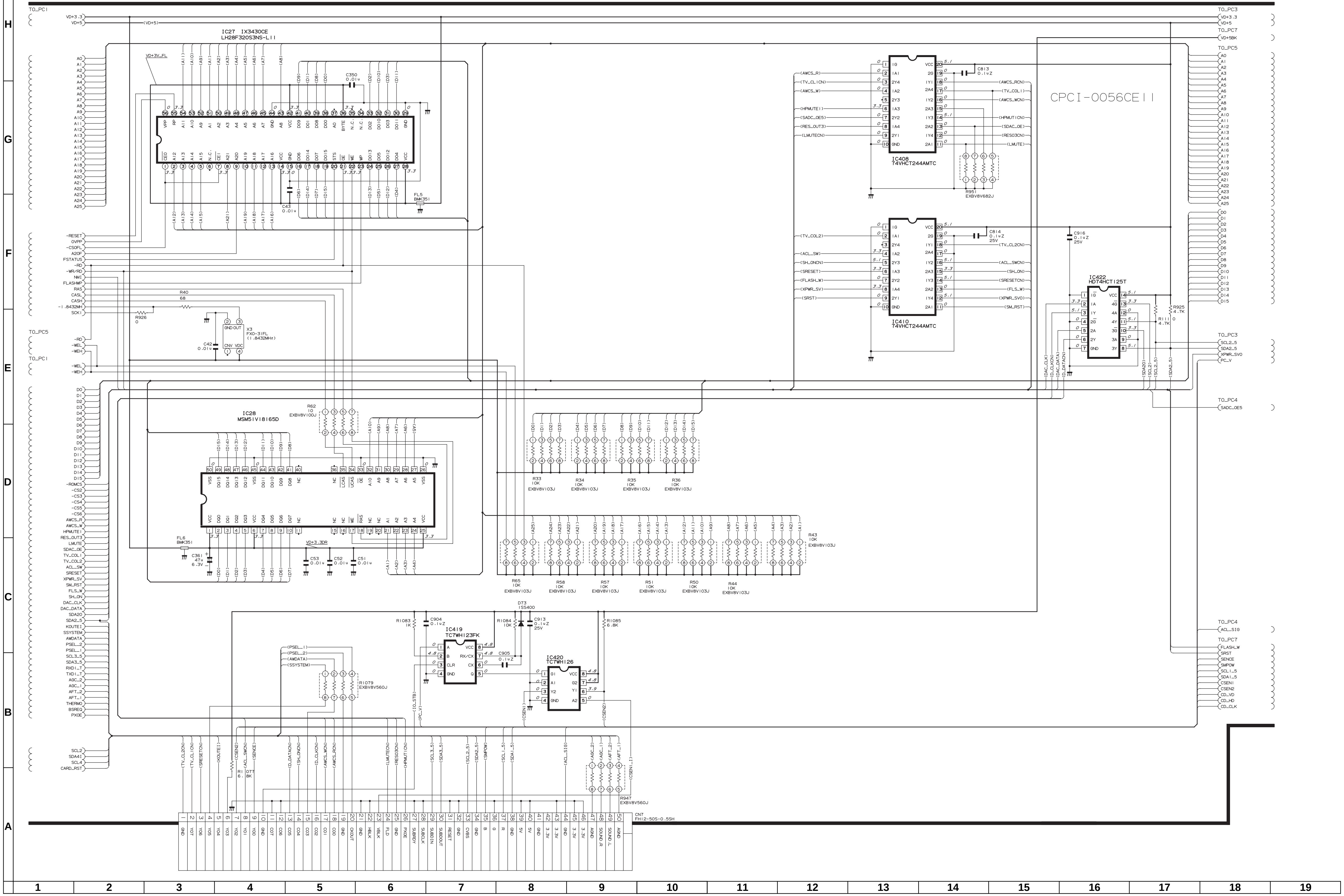
■ POWER Unit (LCD)-2/2


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
(D3SB60)
(RBV406)
LN4SB60
D1
C5
1uF450V
R2
R3
1M x2
R4
15k
L3
C1261
R5
22k
2SK2917
Q1
(SF10L60U)
FMD-G26S
TH1
8D2-10
D2
C6
220p 2kV
C7 C8
68u
450V
KMX
(PB)
x2
R6
1/4W
R7
HRNM
0.15
2W
R105
750K
1/8W
R106
820K
1/8W
R116
820K
1/8W
R117
910K
1/8W
RL1A JZ1aFS-5V-TV
RL1B
A
B
IC1
NJM2375AD
R8
100
C10
0.01uF 50V
R9
820
C11
0.47u
16V
Q2
2SC2873
R97
220
R10
1k
C91
0.01u
50V
R107
10K
C14
150uF/50V
KZE(PW)
PS2581L2
PC1B
Q3
DTB114EK
D44
1SS193
R119
1K
R120
220
Q23
DTA124EK
C97
0.01u/50V
IC11
HA17431
R118
10K
C4
0.047uF/275V RE
(ET)
L2Z1231
C73 C74
2200pF/250V KX
C3
0.22uF/275V RE
(ET)
L1 Z1258
0.22uF/275V RE
(ET)
C1
R1 R96
270k 1/2W
VA1
NV470D10
(ENC471D10A)
R113 JP
R110
10M 1/2W(1W)
F.G
TR-5(250V/3.15A)
F1
N
CN1 AC-M15PB58
10 8 6 4 1
CN2 B5P(10-2,3,5,7,9)S-VH
F.G
VA4
NV470D10
(ENC471D10A)
F3
TR-5(250V/2A)
D18
EG01C x2
(05NH45)
D19
TH2
8D2-10
470pF/2kV HRx2
C15 C16
R12
33 3W RSI
R13
270k 1/2W
R14
270k 1/2W
R11
3 3W
HRSM
Q5 2SK2717
R15
10k
R16
18k
D5 1SS193
R21 1K
R20
220 1/2W
C19
1500pF/50V
C17
0.1uF
D4
1SS193
C18
0.1uF/25V
R19 1k 1/4W
D6
HZU22B2
(B3)
R22
68
D7
1SS193
R17
1.2k
Q6
2SC2873
PC2B PS2581L2
R18 820 1/4W
R23 100
C20
0.01uF/50V
T1 P1226
T2 P1226
D21 FMB24L
(SF10SC4)
D22 FMB24L
(SF10SC4)
L4
TSL112RA1R0
10V
R60 220
HZU13B1
D23
PC2A
PS2581L2
R62
1k
R63 5.6k
R64
3.6kF
R65
180F
C46
220uF/25V
HC
C40 C41 C42 C43 C44
220uF/25V HC x5
R61
100
IC3
HA17431
C45
0.47uF 10V
R66
1kF
GND
T3 P1227
T4 P1227
D24 FMB26L
(SF10SC6)
D26
HZU15B3
R67
100
D25
FMB26L
(SF10SC6)
L5
TSL112RA3R3
C94
1u/50V
R115
10
C95
0.22uF 16V
13V
R68
220
PC4A
PS2581L2
R69
1k
C96
0.022uF 50V
R71
5.6kF
R72
300F
C52
220uF/25V HC
R73
1kF
C47 C48
220u/25V x2
HC
IC4
HA17431
PC6A
PS2581L2
R121 C99
1.5k 0.01uF 50V
GND
F.G
D3
1SS193
470pF/2kV HRx2
C21 C22
R28
33 3W RSI
R29
270k 1/2W
R30
270k 1/2W
R27
3 3W
HRSM
Q9 2SK2717
R31
10k
R32
18k
D10 1SS193 R37 1K
R36
220 1/2W
C25
1500pF/50V
DTA124EK
PS2581L2
PC6B
R108
22k
F9
136??
2A
R43
5.6k
Q22
DTA124EK
R109
100K
C27
0.047uF
/50V
C29
2200pF/50V
Q13
D8 1SS193
Q14
DTC124EK
R44
51k C28
1uF/50V PR(PW)
C23
0.1uF/25V
R33
1.2k
D9
1SS193
Q10
2SC2873
PC4B PS2581L2
C24
0.1uF/25V
R35 1k 1/4W
D11
HZU20B2
R38
68
D12
1SS193
R34 560 1/4W
R39 100
0.01uF/50V C26
C36
22uF/400V
KMX(PB)
100pF 2kV 1.5k 1/2W
C98 C37 R58
IC2
TNY264
C38
0.1uF/25V
PC8B
PS2581L2
D45
RLZ
8.2A
C39
22uF/50V
KZE(PJ)
D20
SFPL52
(D1FL40)
R59
3.3 1/4W
T6
P1228
C72
2200pF 250V KX
D29
SFPB69
PS2581L2
L7
TSL0709RA220
R81
1k
R82
10k
C57
D39
RLZ
8.2A
220uF/10V
KZE(PW)
PC8A
D30
HZU5.1B2
C58
100uF/10V
KZE(PW)
D31
1SS193
Q17
DTD114EK
C59
0.1u 25V
R83
2.2k
PS2581L2
PC1A
Q18
DTC124EK
6V
TV-POW
GND

■ PC I/F Unit-1/7


I/F BOARD (1/7)
CPCI-0056CE11
SH-7709
IC1
IX3270CE
IC405
UPD4721G
IC53
TC74LVX86MTC
EXCLUSIVE OR
IC400
TC74LVX86MTC
EXCLUSIVE OR
Q12
IMB3A
S1
SSS812-B-2B
NORMAL
WRITE ENABLE
IC402
T4LVX125MTC
IC404
T4LVX125MTC
Q120
NDC7002N
IC2
PST600IM
IC19
PST623XW
EEP ROM
IC3
AT24C128N
-10SC-1.8
CN5
JEY-9P-1A3F
X1
6MHz
TO_PC2
TO_PC7
TO_PC5
TO_PC3
TO_PC4
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

■ PC I/F Unit-2/7


I/F BOARD (2/7)
TO_PC1
TO_PC3
TO_PC5
TO_PC7
TO_PC4
IC27 IX3430CE
LH28F320S3NS-L11
IC28
MSM51V18165D
IC408
74VHCT244AMTC
IC410
74VHCT244AMTC
IC422
HD74HCT125T
IC419
TC7WH123FK
IC420
TC7WH126
CPC1-0056CE11
X3
FX0-31FL
(1.8432MHz)
FL5
BMK351
FL6
BMK351
R40
68
R926
0
R62
10
EXBV8V100J
R951
EXBV8V682J
R925
4.7K
R1111
4.7K
R33
10K
EXBV8V103J
R34
10K
EXBV8V103J
R35
10K
EXBV8V103J
R36
10K
EXBV8V103J
R43
10K
EXBV8V103J
R65
10K
EXBV8V103J
R58
10K
EXBV8V103J
R57
10K
EXBV8V103J
R51
10K
EXBV8V103J
R50
10K
EXBV8V103J
R44
10K
EXBV8V103J
R1079
EXBV8V560J
R947
EXBV8V560J
R1083
1K
R1084
10K
R1085
6.8K
R1077
6.8K
D73
1SS400
C350
0.01u
C43
0.01u
C42
0.01u
C361
47u
6.3V
C53
0.01u
C52
0.01u
C51
0.01u
C813
0.1uZ
C814
0.1uZ
25V
C916
0.1uZ
25V
C904
0.1uZ
C913
0.1uZ
25V
C905
0.1uZ
VD+3V_FL
VD+3.3DR
CN7
FH12-50S-0.5SH
H
G
F
E
D
C
B
A
1
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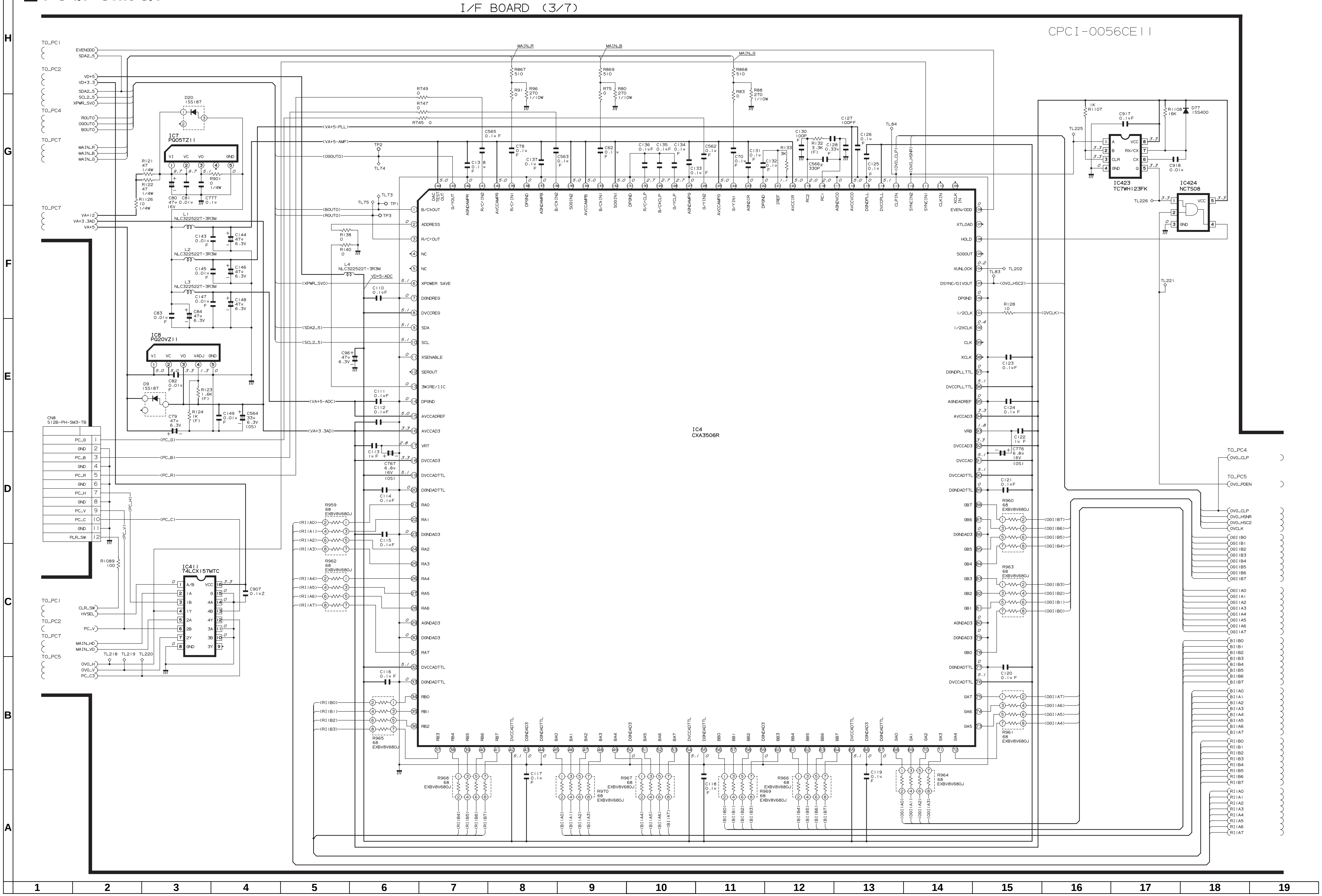
■ PC I/F Unit-3/7


I/F BOARD (3/7)
CPCI-0056CEII
IC4
CXA3506R
IC7
PQ05TZ11
IC8
PQ20VZ11
IC411
74LCX157MTC
IC423
TC7WH123FK
IC424
NC7S08
CN8
S12B-PH-SM3-TB
D20
1SS187
D9
1SS187
D77
1SS400
L1
NLC322522T-3R3M
L2
NLC322522T-3R3M
L3
NLC322522T-3R3M
L4
NLC322522T-3R3M
TO_PC1
TO_PC2
TO_PC4
TO_PC7
TO_PC5
MAIN_R
MAIN_B
MAIN_G
(VA+5-PLL)
(VA+5-AMP)
(VA+5-ADC)
(VA+3.3AD)
(OGOUTO)
(BOUTO)
(ROUTO)
(XPWR_SVO)
(SDA2_5)
(SCL2_5)
(PC_G)
(PC_B)
(PC_R)
(PC_C)
(OVO_HSC2)
(OVCLK)
OVO_CLP
OVO_PDEN
OVO_HSNR
R959 68 EXBV8V680J
R962 68 EXBV8V680J
R965 68 EXBV8V680J
R960 68 EXBV8V680J
R963 68 EXBV8V680J
R961 68 EXBV8V680J
R964 68 EXBV8V680J
R966 68 EXBV8V680J
R967 68 EXBV8V680J
R968 68 EXBV8V680J
R969 68 EXBV8V680J
R970 68 EXBV8V680J
H
G
F
E
D
C
B
A
1
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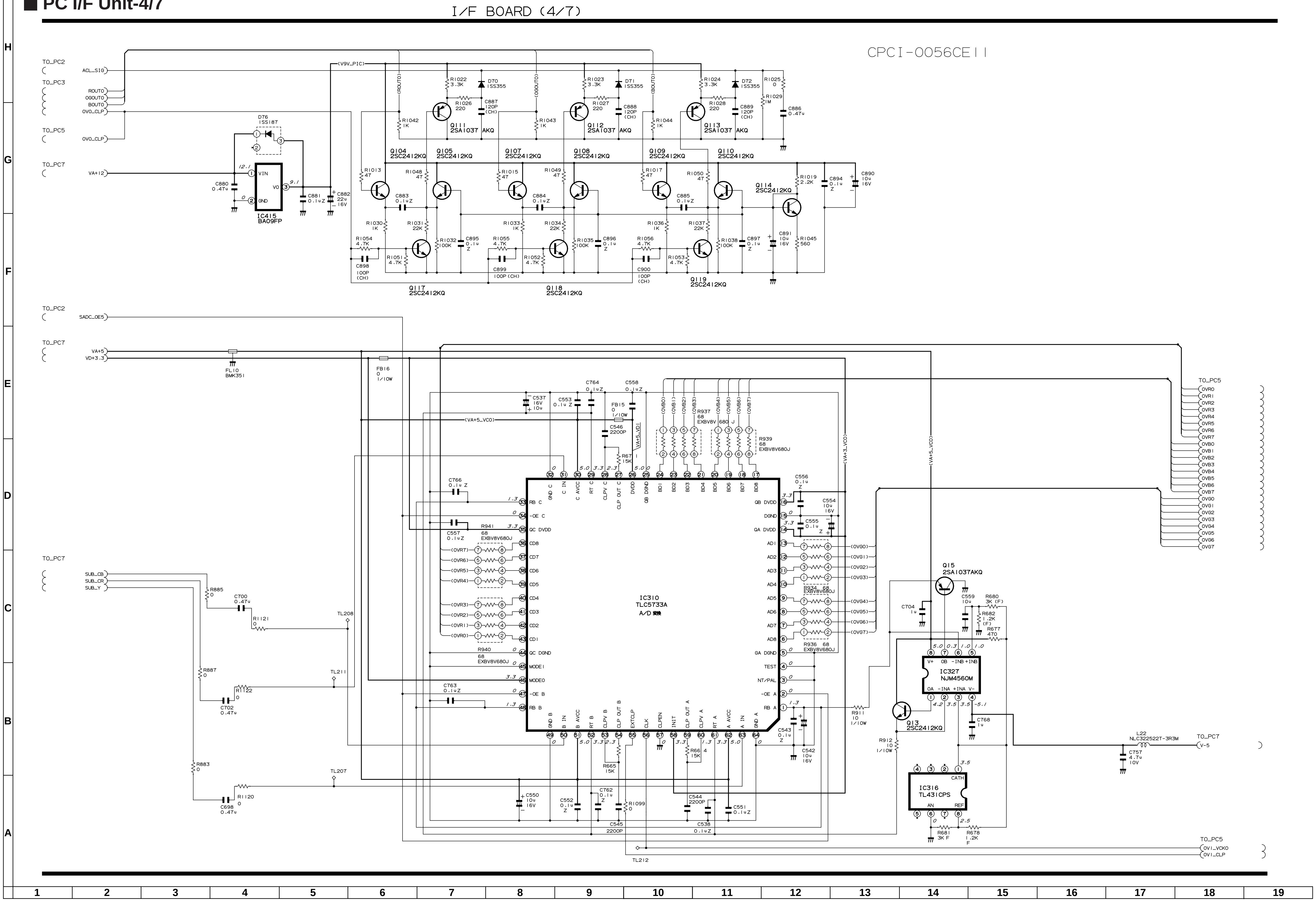
■ PC I/F Unit-4/7


I/F BOARD (4/7)
CPCI-0056CEII
TO_PC2
ACL_SIG
TO_PC3
ROUTO
OGOUTO
BOUTO
OVO_CLP
TO_PC5
TO_PC7
VA+12
(V9V_PIC)
D76 1SS187
IC415 BA09FP
VIN
VO
GND
C880 0.47u
C881 0.1uZ
C882 22u 16V
D70 1SS355
D71 1SS355
D72 1SS355
Q111 2SA1037 AKQ
Q112 2SA1037 AKQ
Q113 2SA1037 AKQ
Q104 2SC2412KQ
Q105 2SC2412KQ
Q107 2SC2412KQ
Q108 2SC2412KQ
Q109 2SC2412KQ
Q110 2SC2412KQ
Q114 2SC2412KQ
Q117 2SC2412KQ
Q118 2SC2412KQ
Q119 2SC2412KQ
C886 0.47u
C890 10u 16V
C894 0.1u Z
SADC_OE5
VA+5
VD+3.3
FL10 BMK351
FB16 0 1/10W
(VA+5_VCO)
IC310 TLC5733A A/D
(OVR0)–(OVR7)
(OVB0)–(OVB7)
(OVG0)–(OVG7)
R937 68 EXBV8V 680 J
R939 68 EXBV8V680J
R941 68 EXBV8V680J
R940 68 EXBV8V680J
R934 68 EXBV8V680J
R936 68 EXBV8V680J
SUB_CB
SUB_CR
SUB_Y
TL208
TL211
TL207
TL212
Q15 2SA1037AKQ
Q13 2SC2412KQ
IC327 NJM4560M
IC316 TL431CPS
L22 NLC322522T-3R3M
C757 4.7u 10V
V-5
OVI_VCKO
OVI_CLP
H
G
F
E
D
C
B
A
1
2
3
4
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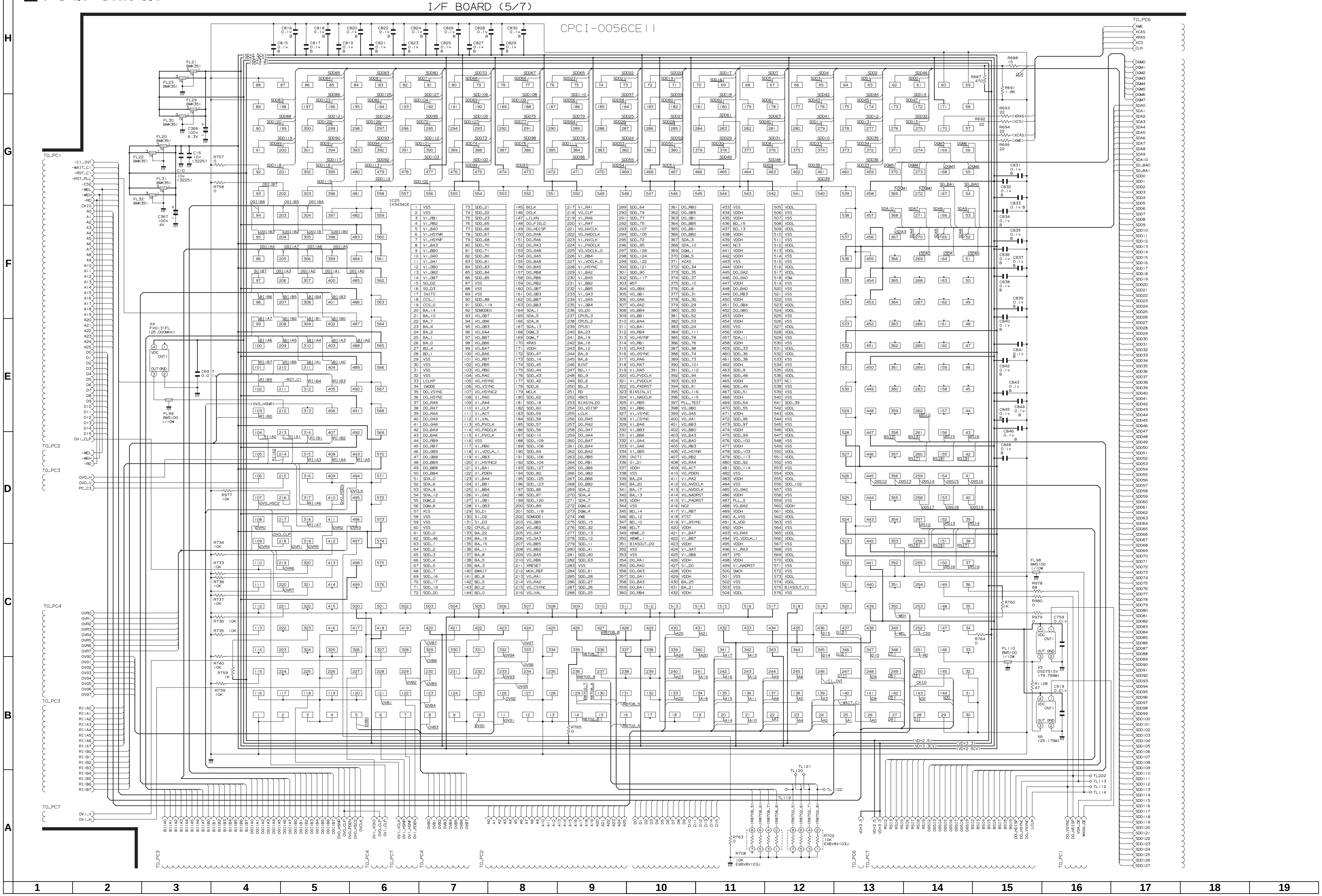
■ PC I/F Unit-5/7


I/F BOARD (5/7)
CPCI-0056CE11
IC25
IX3434CE
TO_PC1
TO_PC2
TO_PC3
TO_PC4
TO_PC6
TO_PC7
X4
FX0-31FL
(25.000MHz)
X5
DS075ISV
(79.794M)
X6
(25.175M)
FL98
FL99
FL110
BMS100
R688
R687
R691
R693
R694
R695
R692
R760
R764
R978
R979
R980
R1128
R702
R708
EXBV8V103J
R763
R757
R758
R977
R734
R733
R738
R737
R736
R735
R740
R739
R759
R65
C366
C367
C10
C15
C69
C759
C919
(VD+2.5)
(VD+3.3)
(VD+3.3CV)
(VD+2.5CV)
TL120
TL121
TL122
TL119
TL222
TL113
TL112
TL114
H
G
F
E
D
C
B
A
1
2
3
4
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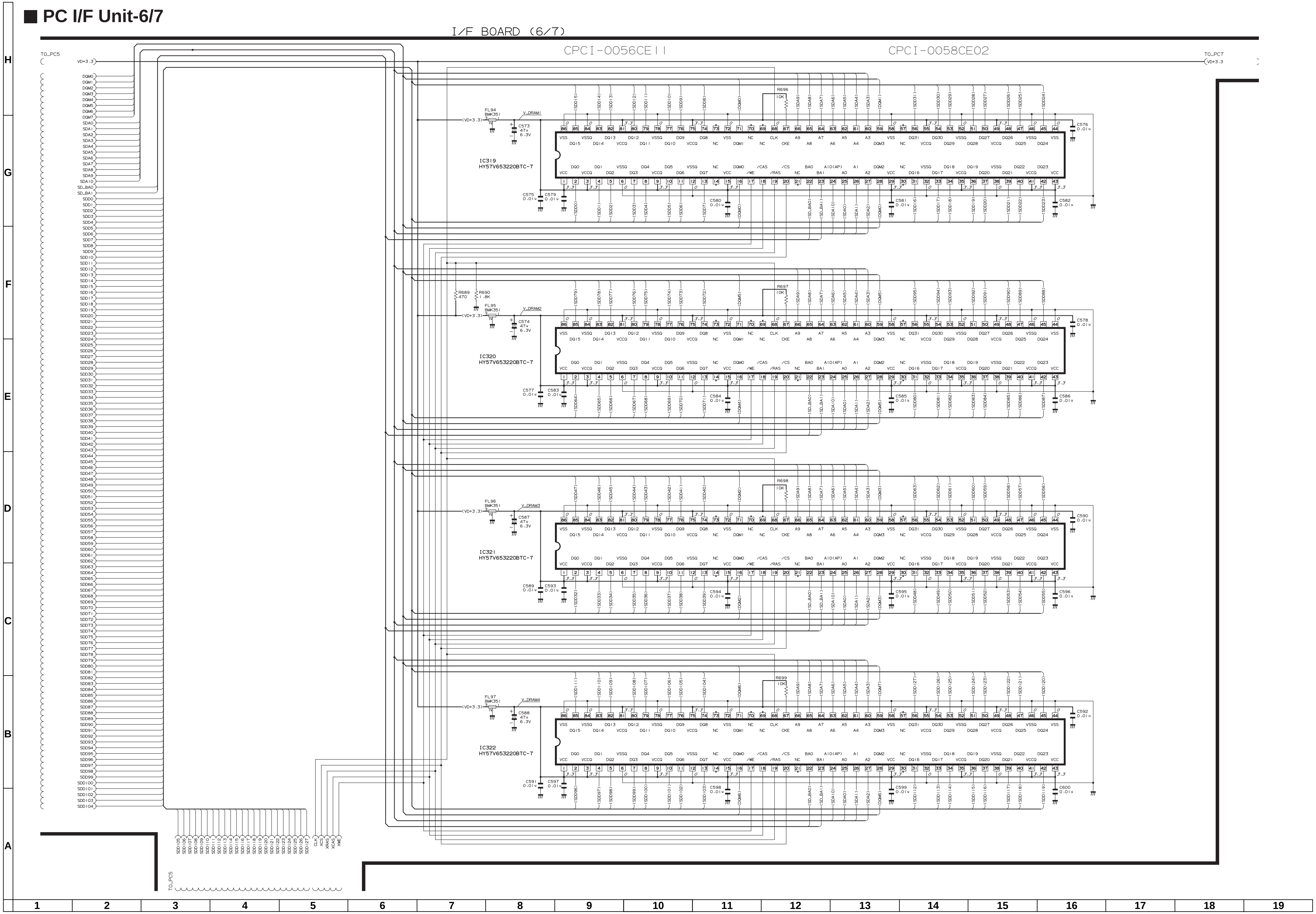
■ PC I/F Unit-6/7


I/F BOARD (6/7)
CPCI-0056CE11
CPCI-0058CE02
TO_PC5
TO_PC7
VD+3.3
DQM0–DQM7
SDA0–SDA10
SD_BA0
SD_BA1
SDD0–SDD104
SDD105–SDD127
CLK
XCS
XRAS
XCAS
XWE
FL94 BMK351
FL95 BMK351
FL96 BMK351
FL97 BMK351
V_DRAM1
V_DRAM2
V_DRAM3
V_DRAM4
C573 47u 6.3V
C574 47u 6.3V
C587 47u 6.3V
C588 47u 6.3V
R689 470
R690 1.8K
R696 10K
R697 10K
R698 10K
R699 10K
IC319 HY57V653220BTC-7
IC320 HY57V653220BTC-7
IC321 HY57V653220BTC-7
IC322 HY57V653220BTC-7
C575 0.01u
C576 0.01u
C577 0.01u
C578 0.01u
C579 0.01u
C580 0.01u
C581 0.01u
C582 0.01u
C583 0.01u
C584 0.01u
C585 0.01u
C586 0.01u
C589 0.01u
C590 0.01u
C591 0.01u
C592 0.01u
C593 0.01u
C594 0.01u
C595 0.01u
C596 0.01u
C597 0.01u
C598 0.01u
C599 0.01u
C600 0.01u
VSS VSSQ DQ13 DQ12 VSSQ DQ9 DQ8 VSS NC CLK A9 A7 A5 A3 VSS DQ31 DQ30 VSSQ DQ27 DQ26 VSSQ VSS
DQ15 DQ14 VCCQ DQ11 DQ10 VCCQ NC DQM1 NC CKE A8 A6 A4 DQM3 NC VCCQ DQ29 DQ28 VCCQ DQ25 DQ24
DQ0 DQ1 VSSQ DQ4 DQ5 VSSQ NC DQM0 /CAS /CS BA0 A10(AP) A1 DQM2 NC VSSQ DQ18 DQ19 VSSQ DQ22 DQ23
VCC VCCQ DQ2 DQ3 VCCQ DQ6 DQ7 VCC /WE /RAS NC BA1 A0 A2 VCC DQ16 DQ17 VCCQ DQ20 DQ21 VCCQ VCC
3.3
H
G
F
E
D
C
B
A
1
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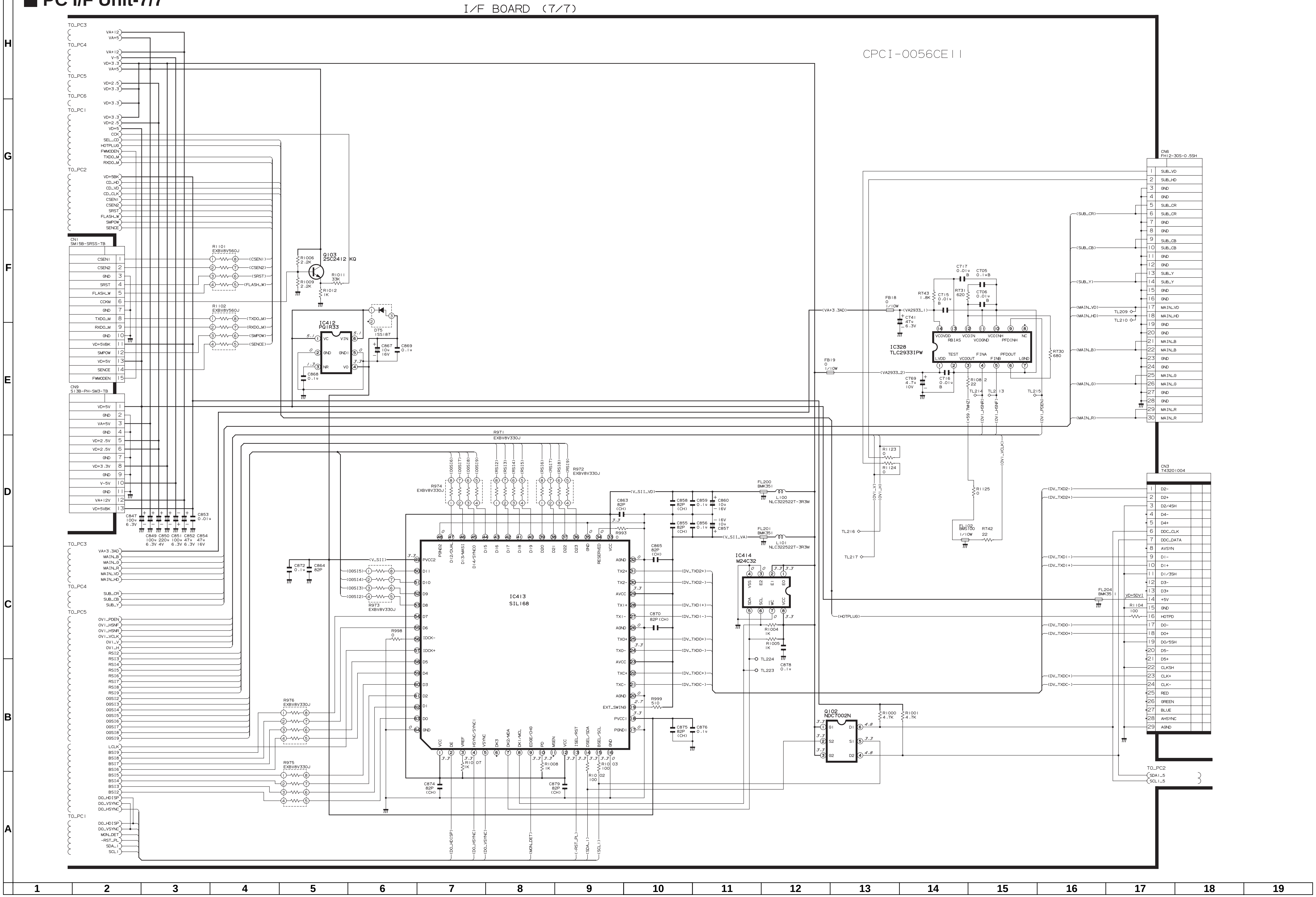
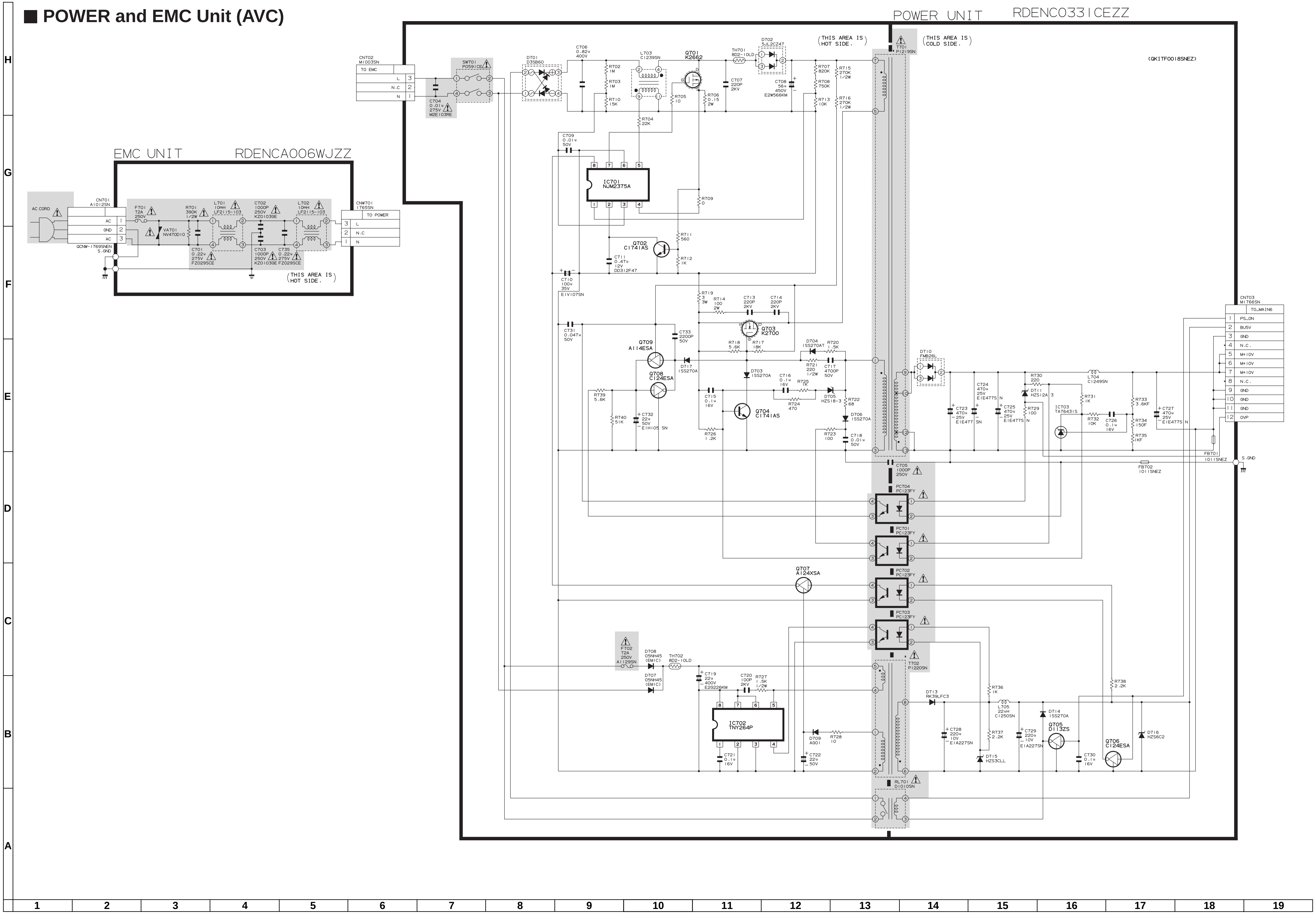
■ PC I/F Unit-7/7


I/F BOARD (7/7)
CPCI-0056CE11
TO_PC3
TO_PC4
TO_PC5
TO_PC6
TO_PC1
TO_PC2
CN1 SM15B-SRSS-TB
CN9 S13B-PH-SM3-TB
CN6 FH12-30S-0.5SH
CN3 T43201004
Q103 2SC2412 KQ
IC412 PQ1R33
D75 1SS187
IC328 TLC2933IPW
IC413 SIL168
IC414 M24C32
Q102 NDC7002N
R1101 EXBV8V560J
R1102 EXBV8V560J
R971 EXBV8V330J
R972 EXBV8V330J
R973 EXBV8V330J
R974 EXBV8V330J
R975 EXBV8V330J
R976 EXBV8V330J
FL200 BMK351
FL201 BMK351
FL204 BMK351
FL102 BMS100
L100 NLC322522T-3R3M
L101 NLC322522T-3R3M
FB18
FB19
TL209
TL210
TL214
TL215
TL216
TL217
TL223
TL224
A B C D E F G H
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

■ POWER and EMC Unit (AVC)


POWER UNIT RDENC0331CEZZ
EMC UNIT RDENCA006WJZZ
(THIS AREA IS HOT SIDE.)
(THIS AREA IS COLD SIDE.)
(QKITF0018SNEZ)
AC CORD
CN701 A1012SN
AC 1
GND 2
AC 3
QCNW-1769SNEN
S.GND
F701 T2A 250V
VA701 NV470D10
R701 390K 1/2W
L701 10mH LF2115-103
C701 0.22u 275V FZ029SCE
C702 1000P 250V KZ0103GE
C703 1000P 250V KZ0103GE
C735 0.22u 275V FZ029SCE
L702 10mH LF2115-103
CNW701 1765SN
TO POWER
3 L
2 N.C
1 N
CN702 M1003SN
TO EMC
L 3
N.C 2
N 1
SW701 P0591CE
C704 0.01u 275V M2E103RE
D701 D3SB60
C706 0.82u 400V
R702 1M
R703 1M
R710 15K
L703 C1239SN
R704 22K
Q701 K2662
R705 10
R706 0.15 2W
TH701 8D2-10LD
C707 220P 2KV
D702 5JL2CZ47
C708 56u 450V E2W566KM
R707 820K
R708 750K
R713 10K
R715 270K 1/2W
R716 270K 1/2W
T701 P1219SN
C709 0.01u 50V
IC701 NJM2375A
R709 0
R711 560
R712 1K
Q702 C1741AS
C711 0.47u 12V DD312F47
C710 100u 35V E1V107SN
R719 3 3W
R714 100 2W
C713 220P 2KV
C714 220P 2KV
Q703 K2700
C731 0.047u 50V
C733 2200P 50V
Q709 A114ESA
Q708 C124ESA
R718 5.6K
R717 18K
D704 1SS270AT
R720 1.5K
D717 1SS270A
D703 1SS270A
R721 220 1/2W
C717 4700P 50V
C716 0.1u 16V
R725 1K
R724 470
D705 HZS18-3
R722 68
D706 1SS270A
R739 5.6K
R740 51K
C732 22u 50V E1H105 SN
C715 0.1u 16V
Q704 C1741AS
R726 1.2K
R723 100
C718 0.01u 50V
D710 FMB26L
C723 470u 25V E1E477 SN
C724 470u 25V E1E477S N
C725 470u 25V E1E477S N
D711 HZS12A 3
R729 100
R730 220
L704 C1249SN
R731 1K
IC703 TA76431S
R732 10K
C726 0.1u 16V
R733 3.6KF
R734 150F
R735 1KF
C727 470u 25V E1E477S N
CN703 M1766SN
TO_MAIN6
1 PS_ON
2 BU5V
3 GND
4 N.C.
5 M+10V
6 M+10V
7 M+10V
8 N.C.
9 GND
10 GND
11 GND
12 OVP
FB701 1011SNEZ
FB702 1011SNEZ
S.GND
C705 1000P 250V
PC704 PC123FY
PC701 PC123FY
PC702 PC123FY
PC703 PC123FY
Q707 A124XSA
F702 T2A 250V A1129SN
D708 05NH45 (EMIC)
D707 05NH45 (EMIC)
TH702 8D2-10LD
C719 22u 400V E20226KM
C720 100P 2KV
R727 1.5K 1/2W
IC702 TNY264P
C721 0.1u 16V
D709 A801
R728 10
C722 22u 50V
T702 P1220SN
D713 RK39LFC3
R736 1K
L705 22uH C1250SN
C728 220u 10V E1A227SN
R737 2.2K
D715 HZS3CLL
C729 220u 10V E1A227SN
D714 1SS270A
Q705 D113ZS
C730 0.1u 16V
R738 2.2K
Q706 C124ESA
D716 HZS6C2
RL701 D1010SN
H
G
F
E
D
C
B
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1
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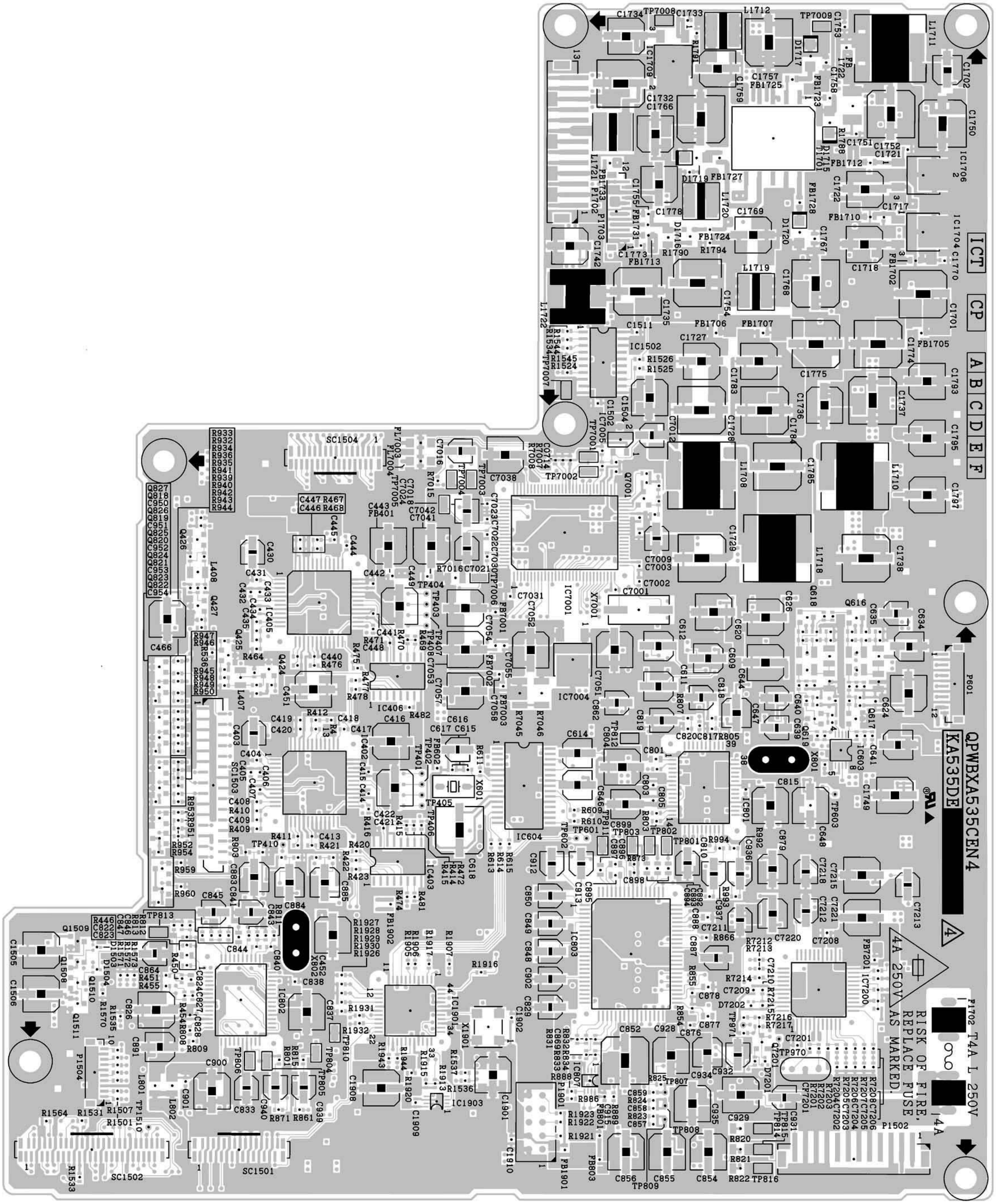
PRINTED WIRING BOARD DIAGRAM


QPWBXA535CEN4
KA535DE
ICT
CP
A B C D E F
4A 250V
RISK OF FIRE, REPLACE FUSE AS MARKED.
T4A L 250V
F1702
SC1504
SC1502
SC1501
SC1503
P1502
P1504
P601
IC7001
IC7004
IC604
IC801
IC803
IC1901
IC1903
IC1502
IC406
IC402
IC403
IC405
X7001
X601
X801
X802
X1901
H
G
F
E
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C
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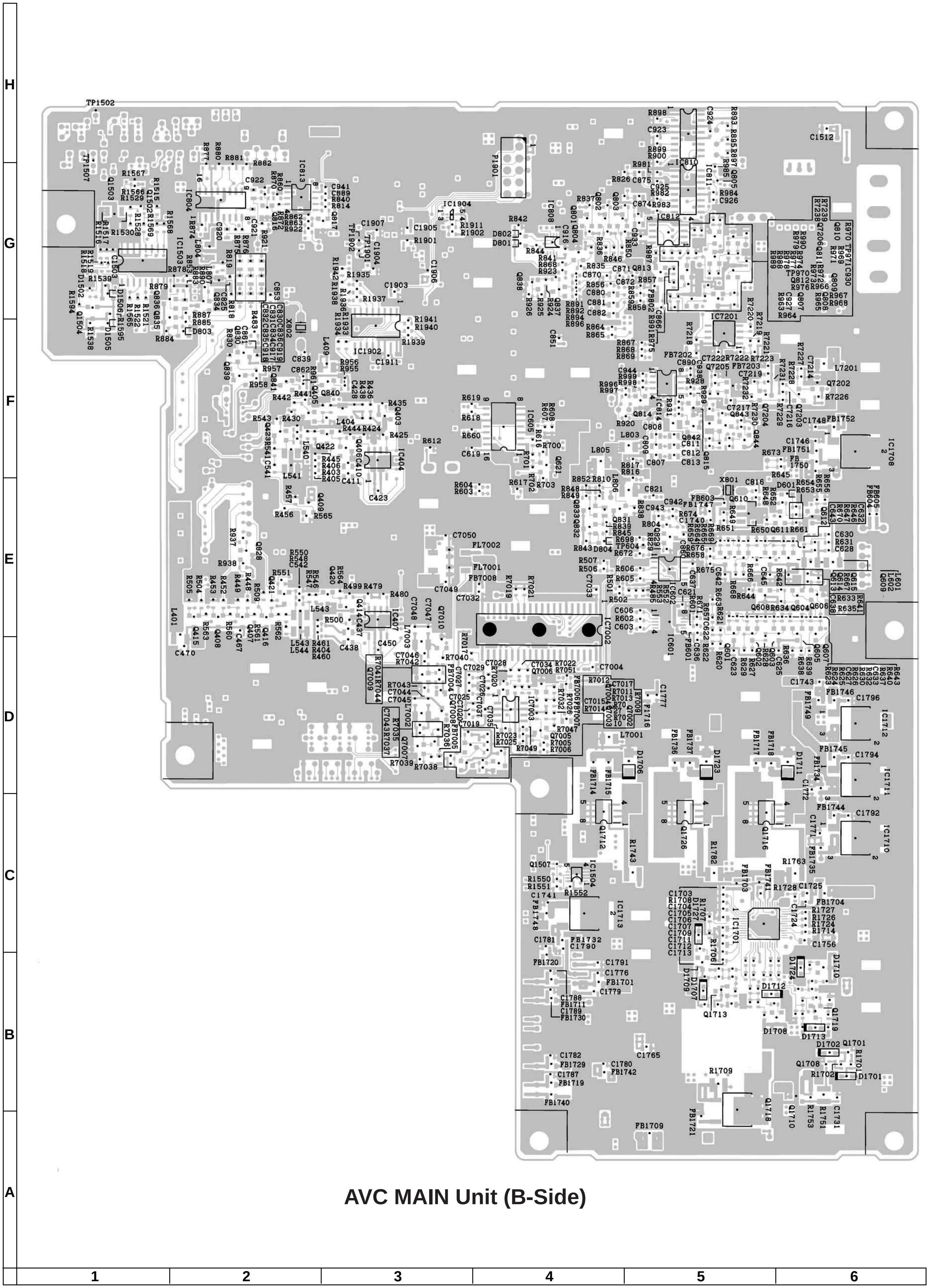
6

AVC MAIN Unit (A-Side)


H
G
F
E
D
C
B
A
1
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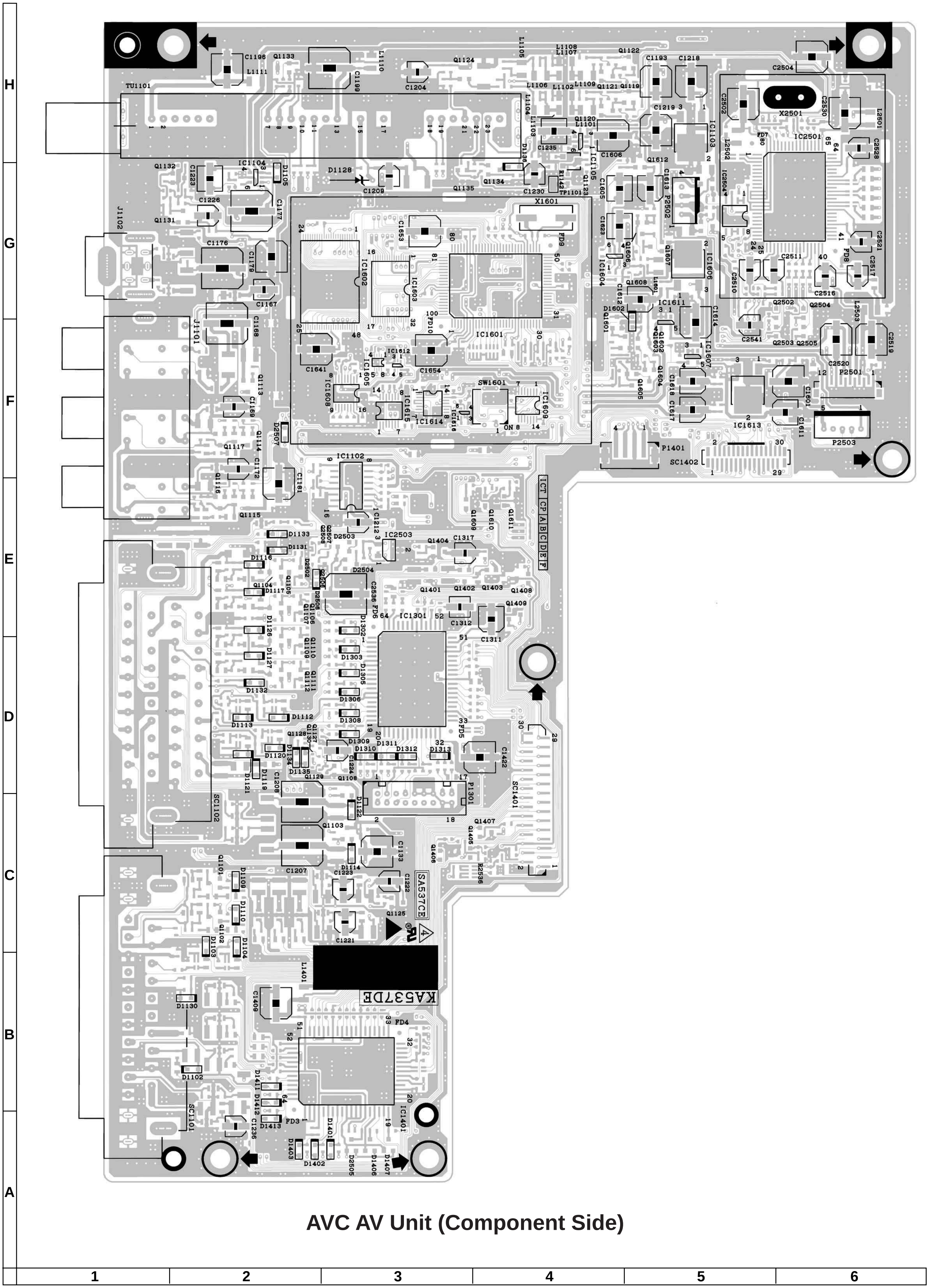
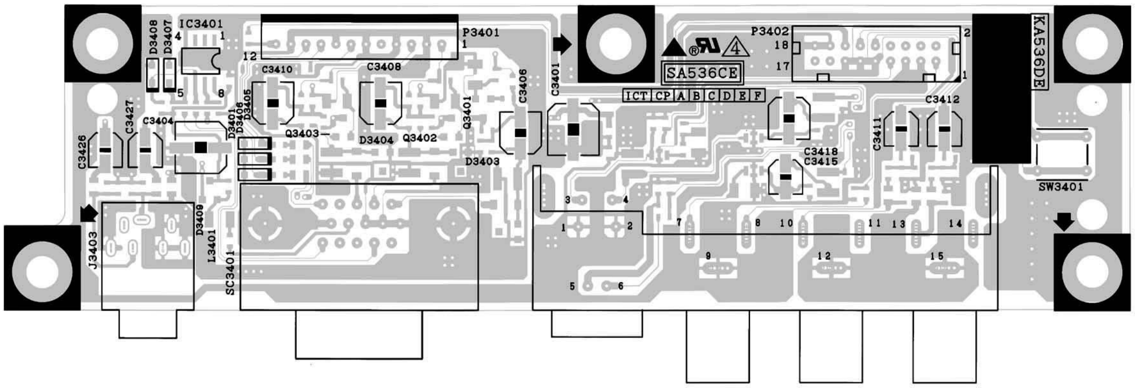
3
4
5
6

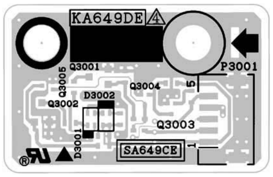
AVC MAIN Unit (B-Side)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
TU1101
J1102
J1101
SC1102
SC1101
IC1104
IC1102
IC1601
IC1602
IC1603
IC1604
IC1606
IC1607
IC1611
IC1612
IC1613
IC1614
IC1615
IC1616
IC1608
IC1609
IC1605
IC1103
IC1105
IC2501
IC2503
IC2504
IC1301
IC1401
X1601
X2501
SW1601
P1401
P1301
P2501
P2502
P2503
SC1401
SC1402
L1401
SA537CE
KA537DE
FD3
FD4
FD5
FD6
FD7
FD8
FD9
FD10
ICT
CP
A
B
C
D
E
F

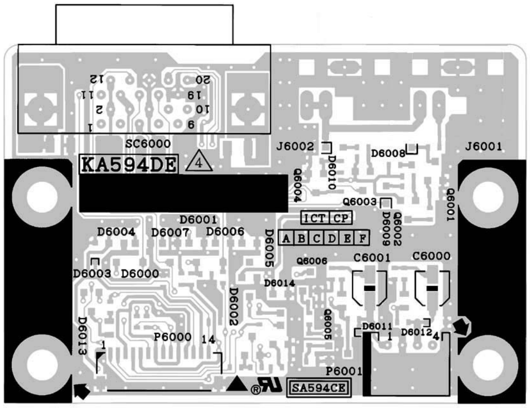
AVC AV Unit (Component Side)


IC3401
D3408
D3407
P3401
P3402
SA536CE
KA536DE
ICT CP A B C D E F
C3410
C3408
C3406
C3401
Q3401
Q3403
D3404
Q3402
D3403
D3401
D3406
D3405
C3426
C3427
C3404
C3418
C3415
C3411
C3412
SW3401
J3403
D3409
L3401
SC3401

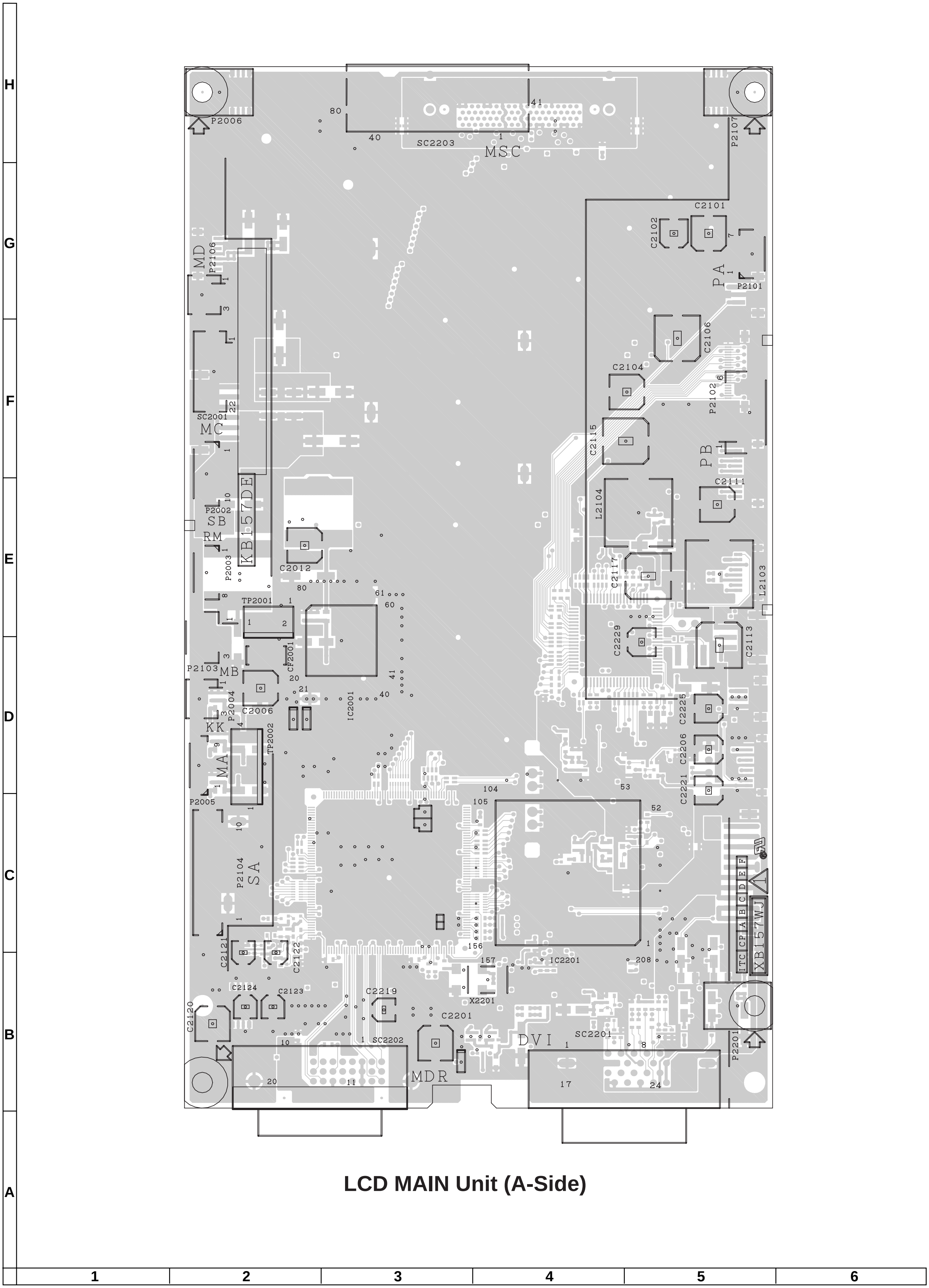
AVC FRONT Unit (Component Side)


KA649DE
P3001
Q3001
Q3005
Q3004
Q3002
D3002
Q3003
D3001
SA649CE

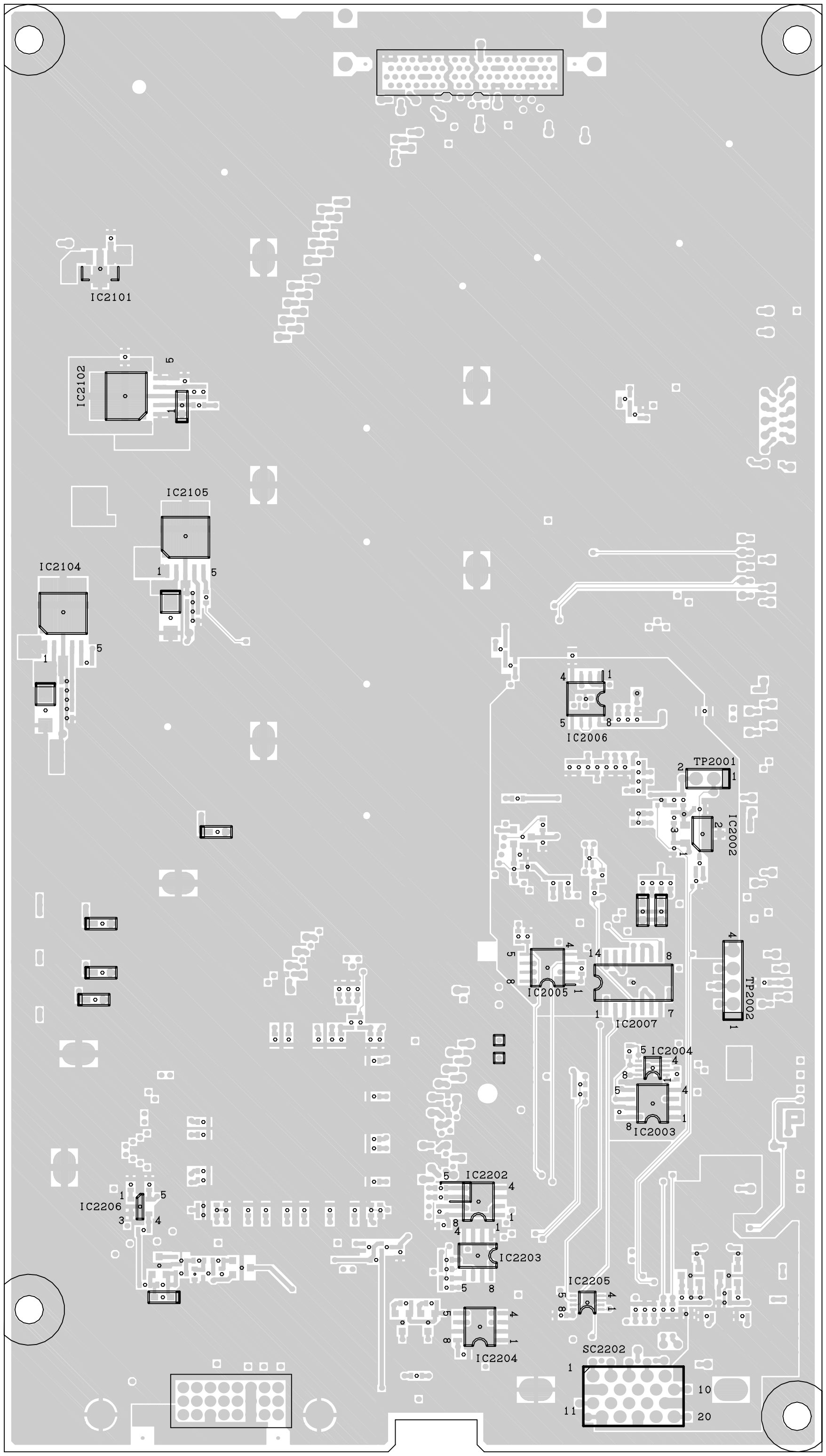
AVC LED Unit (Component Side)


SC6000
KA594DE
J6002
J6001
D6008
D6010
Q6004
Q6003
Q6001
Q6002
D6009
ICT CP
A B C D E F
D6001
D6004
D6007
D6006
D6005
D6003
D6000
Q6006
D6014
C6001
C6000
D6002
Q6005
D6011
D6012
D6013
P6000
P6001
SA594CE

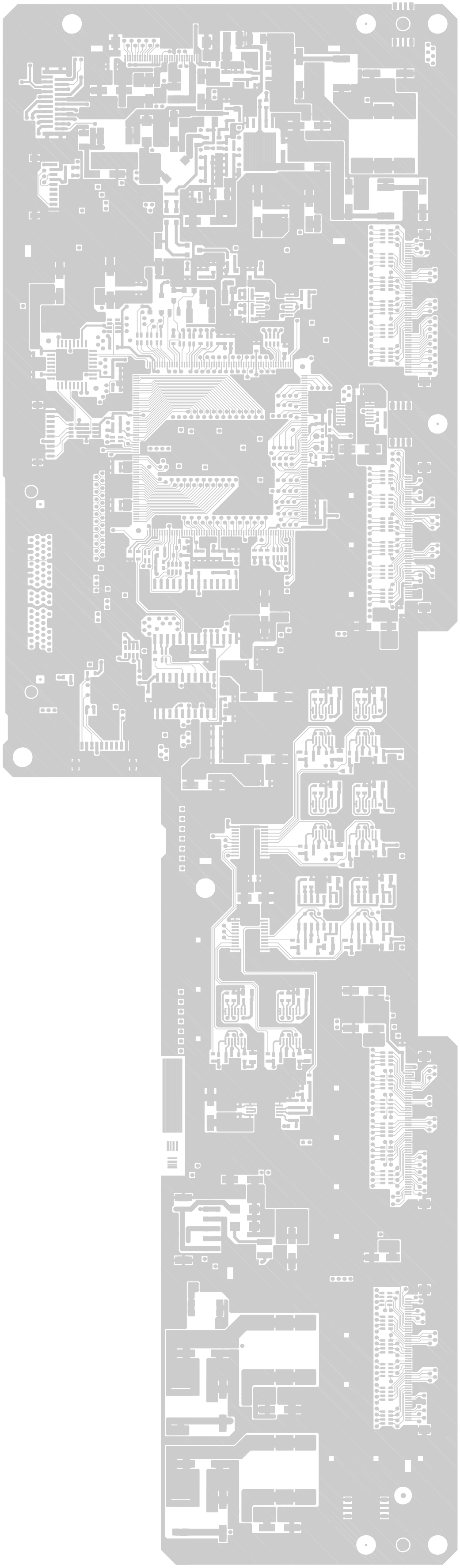
AVC SR Unit (Component Side)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
P2006
80
40
41
1
SC2203
MSC
P2107
C2101
C2102
7
PA
1
P2101
MD
P2106
1
3
C2106
C2104
6
P2102
SC2001
22
MC
1
C2115
PB
1
C2111
L2104
10
P2002
SB
RM
KB157DE
C2012
1
P2003
8
80
C2117
L2103
TP2001
1
1
2
61
60
1
C2229
C2113
CF2001
P2103
3
MB
1
20
21
41
40
IC2001
C2006
P2004
3
C2225
KK
4
TP2002
9
MA
C2206
1
P2005
104
53
C2221
105
52
1
10
P2104
SA
1
LTC
CP
A
B
C
D
E
F
XB157WJ
C2121
C2122
156
157
IC2201
208
1
C2124
C2123
C2219
X2201
C2120
C2201
10
1
SC2202
DVI
SC2201
1
8
P2201
20
11
MDR
17
24

LCD MAIN Unit (A-Side)

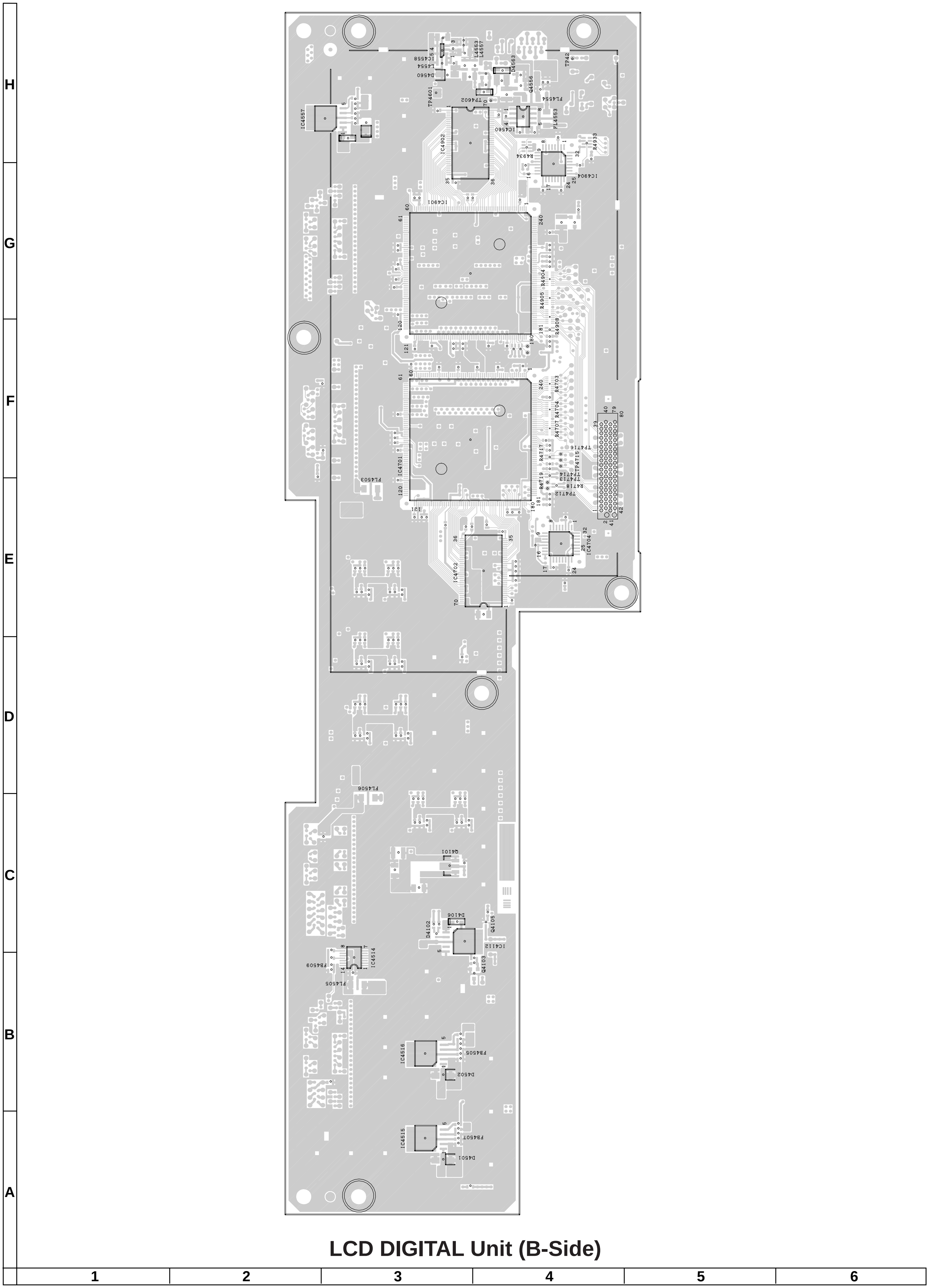

H
G
F
E
D
C
B
A
1
2
3
4
5
6
IC2101
IC2102
IC2105
IC2104
IC2006
TP2001
IC2002
IC2005
IC2007
TP2002
IC2004
IC2003
IC2202
IC2206
IC2203
IC2205
IC2204
SC2202

LCD MAIN Unit (B-Side)

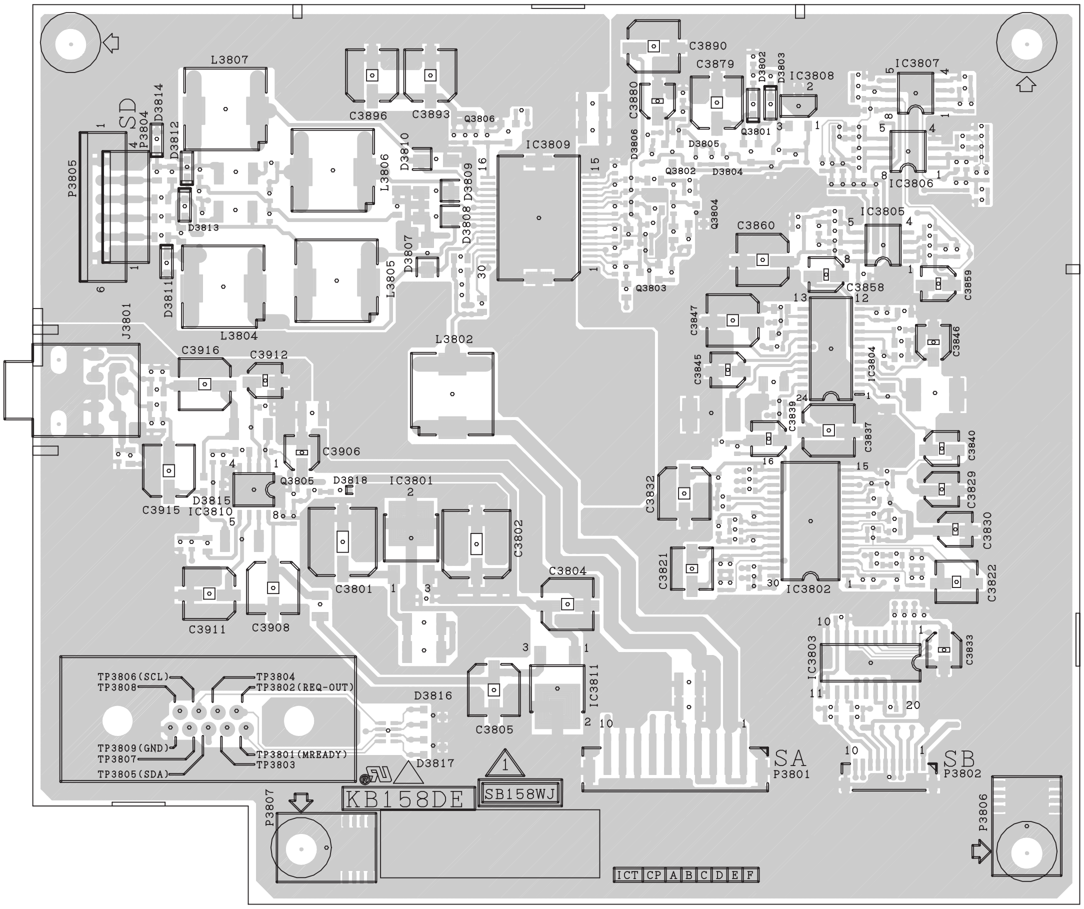


LCD DIGITAL Unit (A-Side)

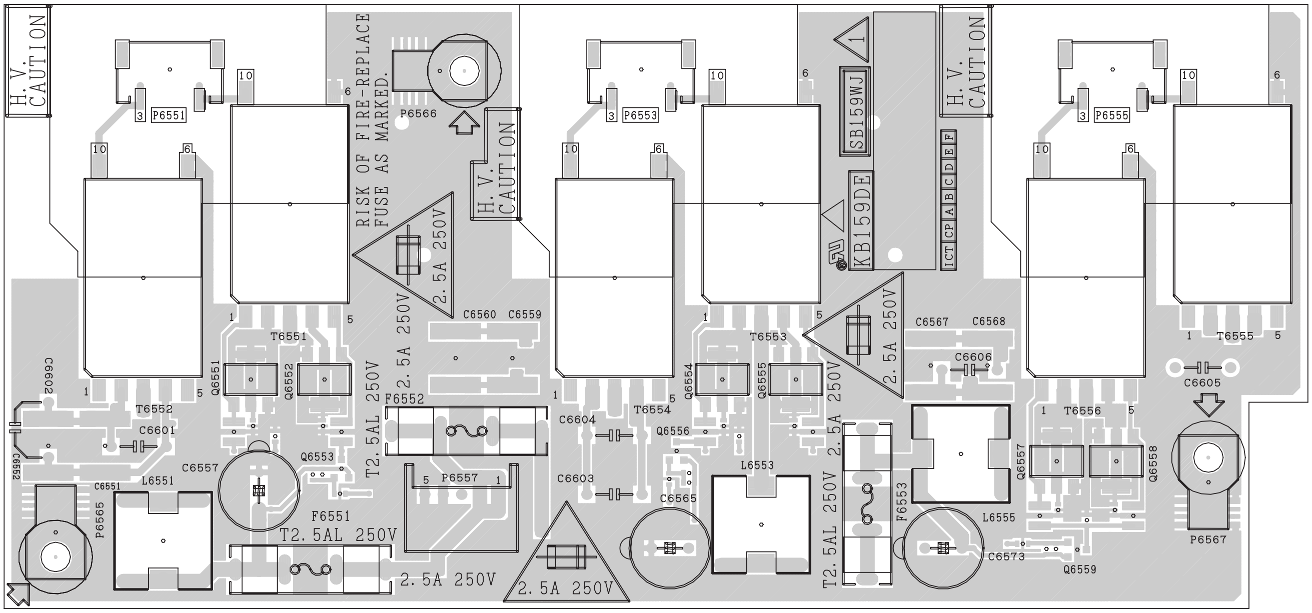
H
G
F
E
D
C
B
A
1
2
3
4
5
6


H
G
F
E
D
C
B
A
1
2
3
4
5
6
IC4557
IC4558
L4554
D4560
TP4601
TP4602
L4553
L4557
D4563
Q4556
FL4554
FL4553
TP42
IC4560
IC4902
R4934
R4933
IC4904
IC4901
R4904
R4905
R4908
R4703
R4704
R4707
R4717
R4719
TP4716
TP4715
TP4714
TP4713
TP4718
TP4712
IC4701
FL4503
IC4702
IC4704
FL4506
Q4101
D4106
D4102
Q4105
IC4112
Q4103
IC4514
FB4509
FL4505
IC4516
FB4505
D4502
IC4515
FB4507
D4501

LCD DIGITAL Unit (B-Side)


P3805
SD
D3814
P3804
D3812
D3813
D3811
L3807
L3806
L3805
L3804
C3896
C3893
Q3806
D3810
D3809
D3808
D3807
IC3809
C3880
D3806
C3890
C3879
D3802
D3803
IC3808
Q3801
D3805
Q3802
D3804
Q3804
Q3803
IC3807
IC3806
IC3805
C3860
C3858
C3859
C3847
C3846
C3845
IC3804
C3839
C3837
C3840
C3829
C3830
C3822
C3832
C3821
IC3802
IC3803
C3833
J3801
C3916
C3912
L3802
C3906
C3915
IC3810
D3815
Q3805
D3818
IC3801
C3802
C3801
C3804
C3911
C3908
TP3806(SCL)
TP3808
TP3804
TP3802(REQ-OUT)
TP3809(GND)
TP3807
TP3805(SDA)
TP3801(MREADY)
TP3803
D3816
C3805
IC3811
D3817
SA
P3801
SB
P3802
KB158DE
SB158WJ
P3807
P3806
ICT CP A B C D E F

LCD AUDIO Unit (A-Side)


H.V. CAUTION
P6551
P6566
RISK OF FIRE-REPLACE FUSE AS MARKED.
2.5A 250V
P6553
SB159WJ
KB159DE
ICT CP A B C D E F
P6555
T6551
T6552
Q6551
Q6552
C6560
C6559
C6602
C6601
C6552
C6551
C6557
L6551
P6565
Q6553
F6551
T2.5AL 250V
F6552
P6557
T6553
T6554
Q6554
Q6555
C6604
Q6556
C6603
C6565
L6553
F6553
C6567
C6568
C6606
C6605
T6555
T6556
Q6557
Q6558
L6555
C6573
Q6559
P6567

LCD INVERTER 1 Unit (A-Side)

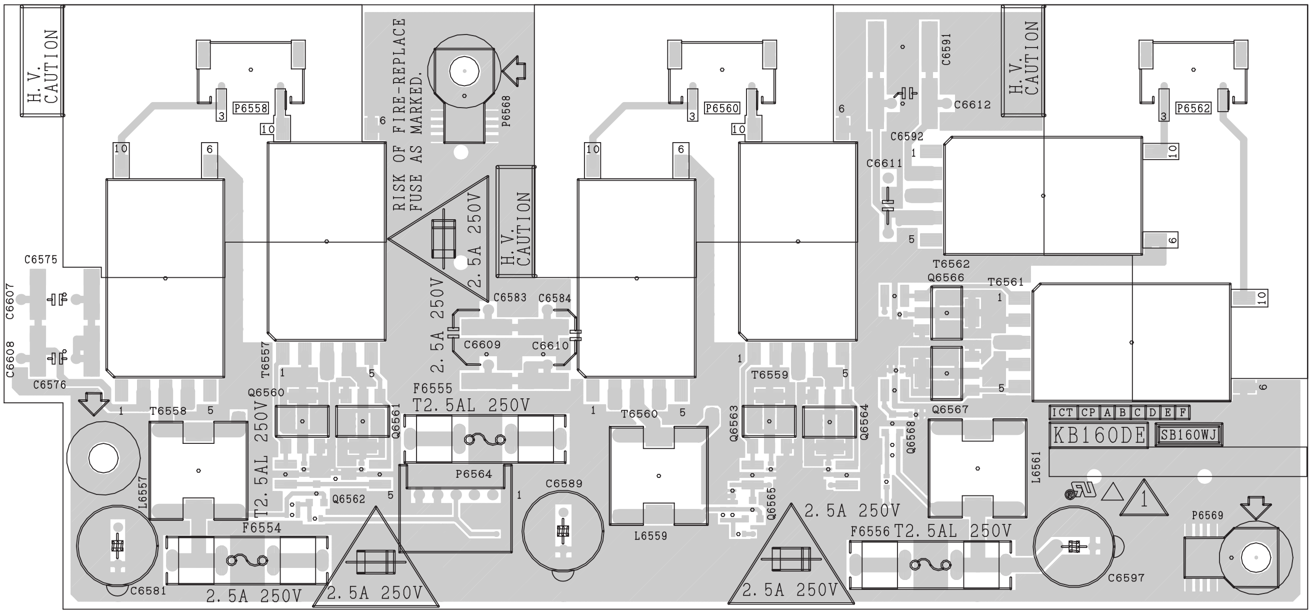
H G F E D C B A

1 2 3 4 5 6

H

G

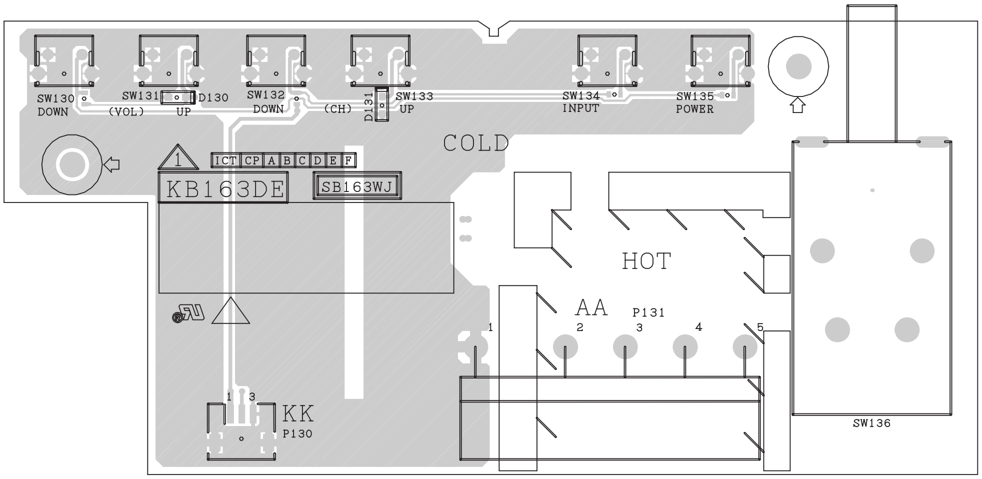
F


H.V. CAUTION
P6558
3
10
6
RISK OF FIRE-REPLACE FUSE AS MARKED.
P6568
P6560
C6591
C6612
H.V. CAUTION
C6592
C6611
P6562
T6562
Q6566
T6561
C6575
C6607
C6608
C6576
2.5A 250V
C6583
C6584
C6609
C6610
T6557
Q6560
T6558
F6555
T2.5AL 250V
Q6561
T6560
T6559
Q6563
Q6564
Q6568
Q6567
ICT CP A B C D E F
KB160DE
SB160WJ
L6557
Q6562
P6564
C6589
L6561
F6554
L6559
Q6565
F6556
P6569
C6581
C6597

LCD INVERTER 2 Unit (A-Side)

E

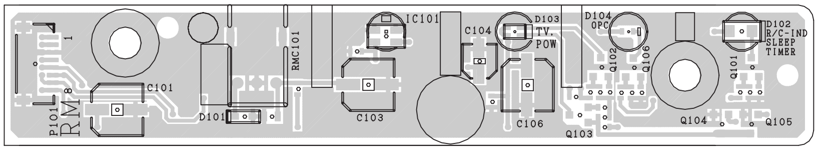
D


SW130 DOWN
SW131 (VOL) UP
D130
SW132 DOWN
(CH)
D131
SW133 UP
SW134 INPUT
SW135 POWER
COLD
ICT CP A B C D E F
KB163DE
SB163WJ
HOT
AA
P131
1
2
3
4
5
KK
P130
SW136

C

LCD OPERATION Unit (A-Side)

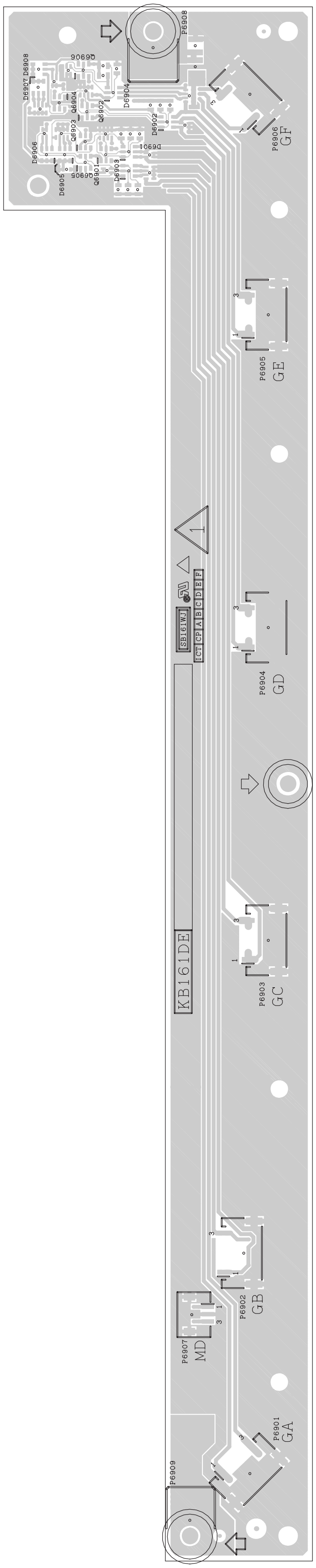
B


IC101
C104
D103 TV POW
D104 OPC
D102 R/C-IND SLEEP TIMER
RMC101
C101
D101
C103
C106
Q102
Q106
Q101
Q104
Q105
Q103
P101
RM

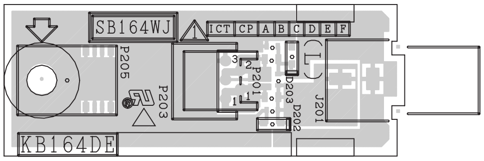
A

LCD R/C and LED Unit (A-Side)

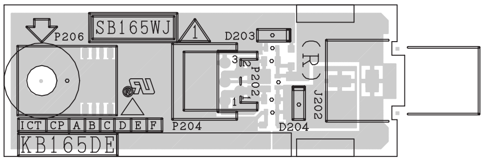
1 2 3 4 5 6


P6908
D6907
D6908
D6906
D6905
D6904
D6903
D6902
D6901
Q6901
Q6902
Q6903
Q6904
P6906
GF
P6905
GE
SB161WJ
ICT CP A B C D E F
P6904
GD
KB161DE
P6903
GC
P6902
GB
P6907
MD
P6901
GA
P6909

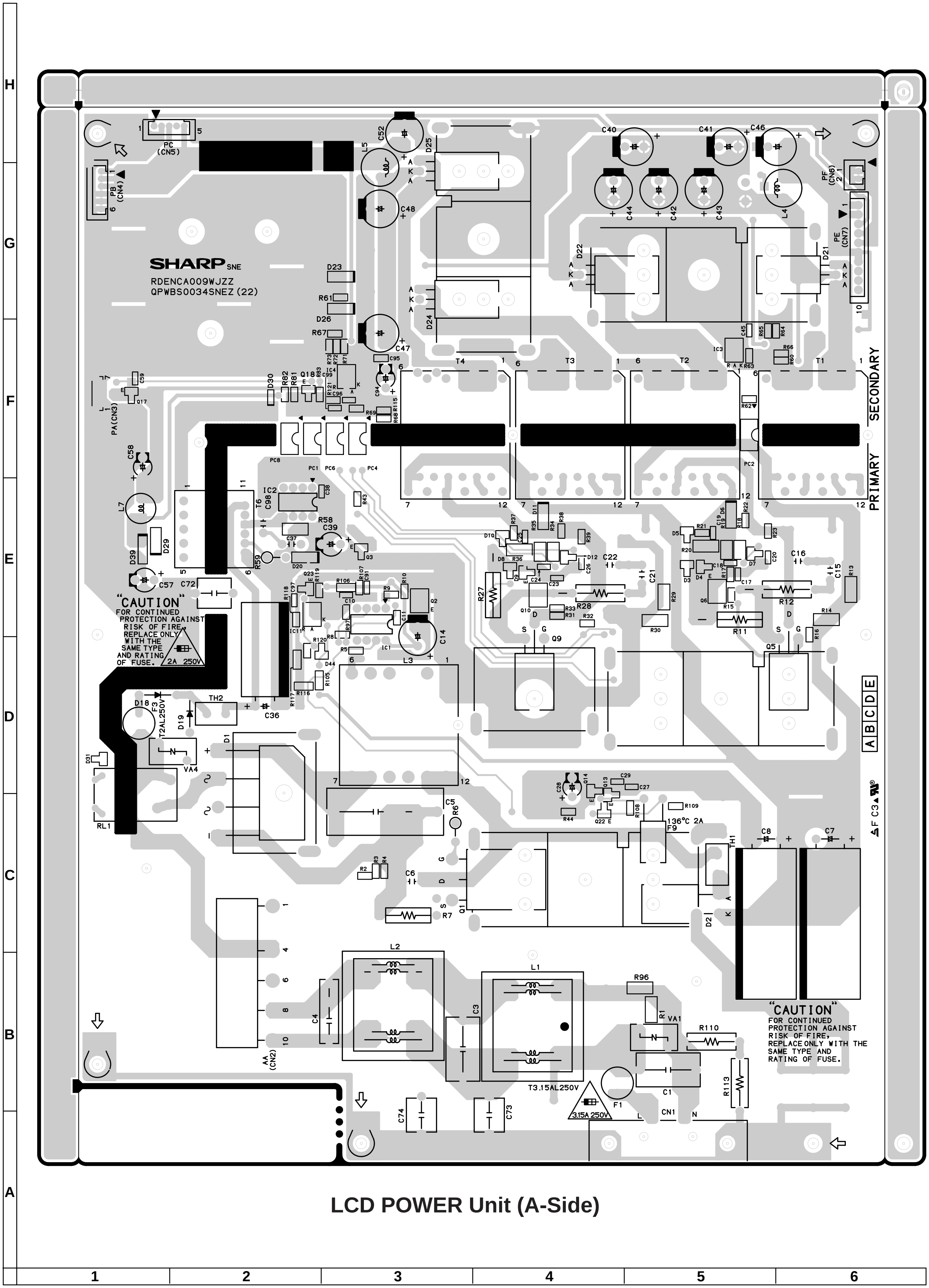
LCD INVERTER GND Unit (A-Side)


SB164WJ
ICT CP A B C D E F
P205
P203
P201
D203
D202
J201
(L)
KB164DE

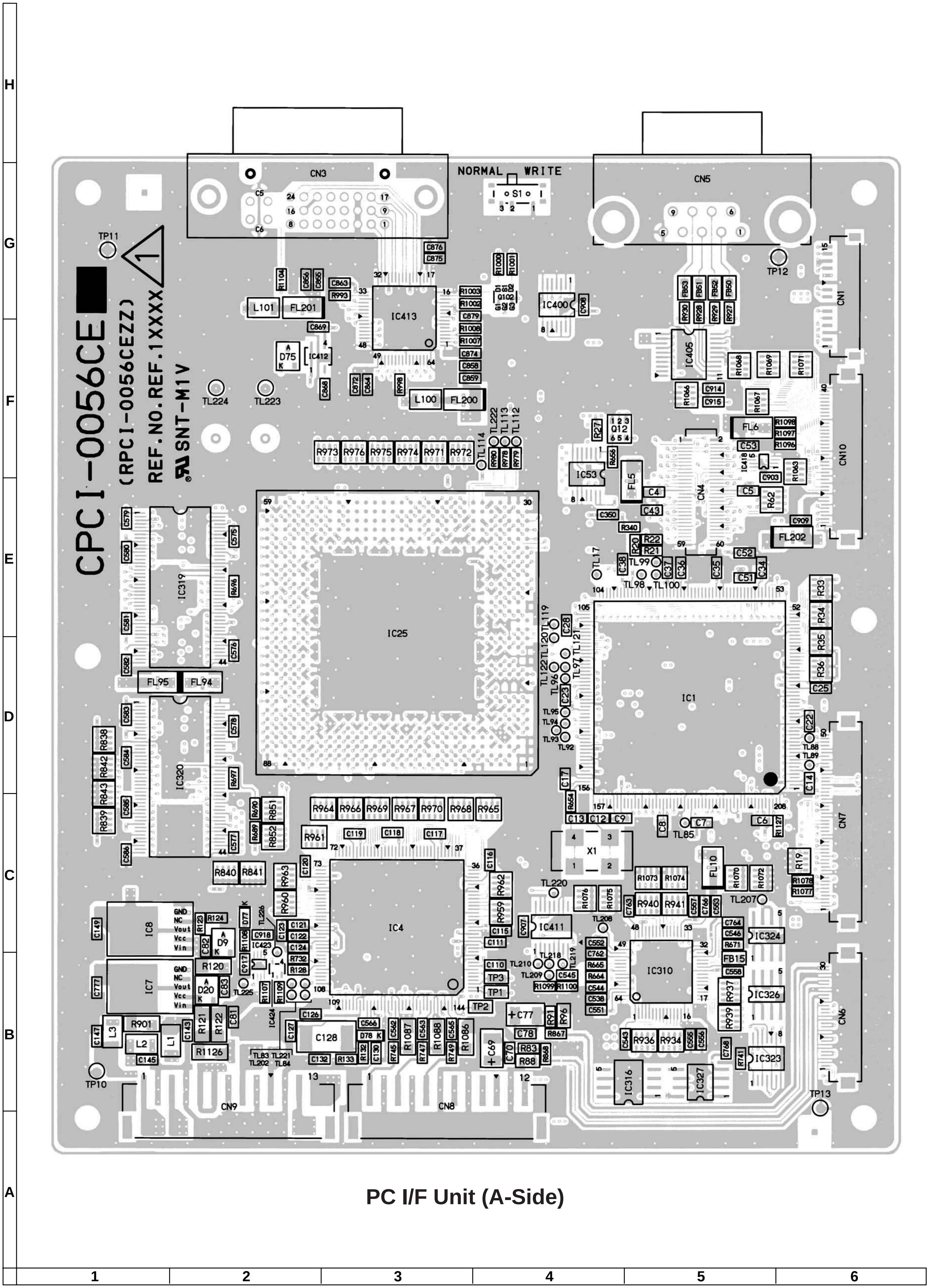
LCD SPEAKER-L Unit (A-Side)


P206
SB165WJ
D203
P202
J202
(R)
D204
P204
ICT CP A B C D E F
KB165DE

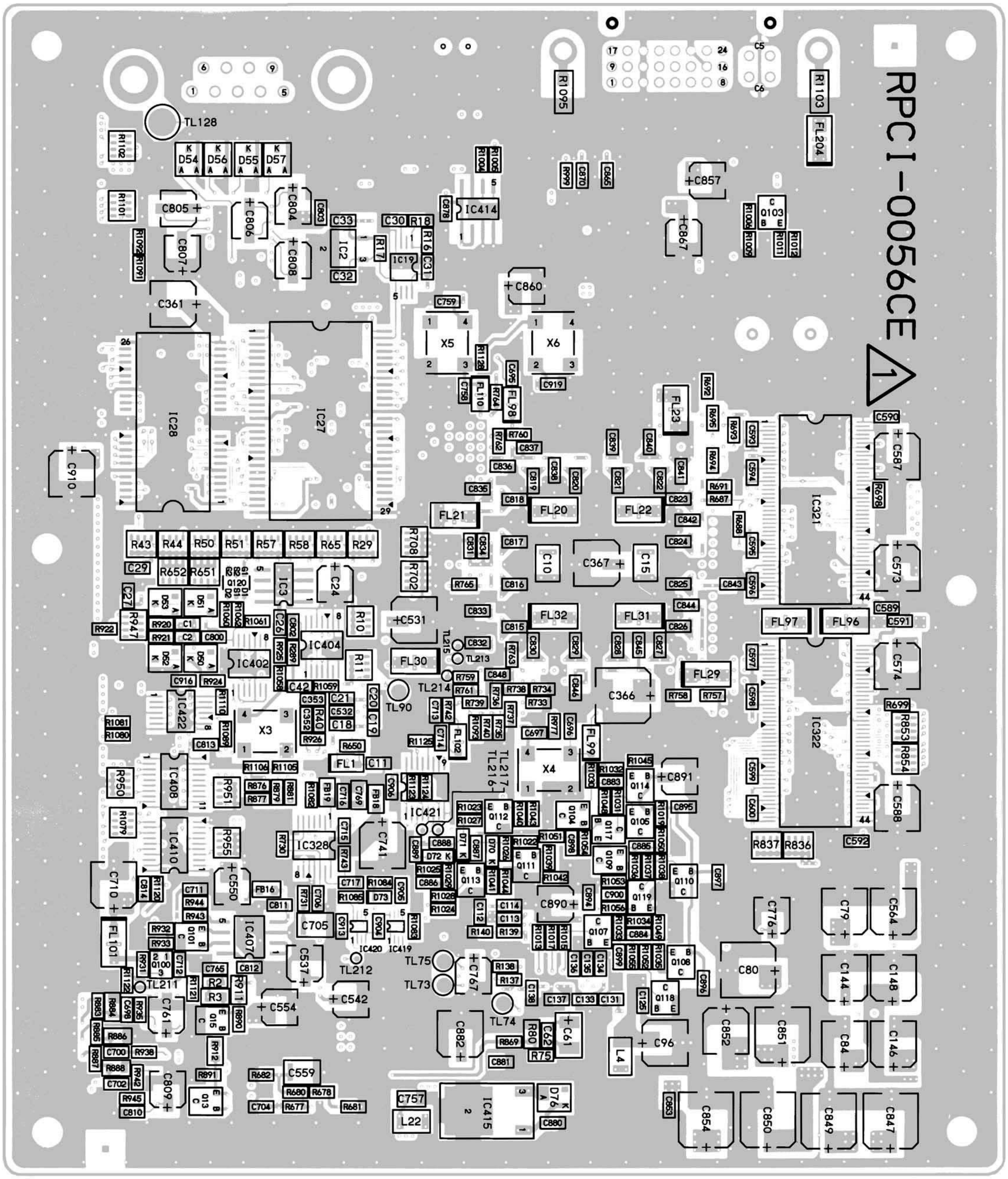
LCD SPEAKER-R Unit (A-Side)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
SHARP SNE
RDENCA009WJZZ
QPWBS0034SNEZ(22)
PC (CN5)
PB (CN4)
PA(CN3)
PF (CN6)
PE (CN7)
AA (CN2)
CN1
T1
T2
T3
T4
T6
SECONDARY
PRIMARY
L1
L2
L3
L4
L5
L7
IC1
IC2
IC3
IC4
Q1
Q5
Q9
Q10
RL1
TH1
TH2
F1
F3
F9
VA1
VA4
D1
D2
D18
D19
D21
D22
D24
D25
C1
C3
C4
C5
C6
C7
C8
C14
C36
C39
C40
C41
C42
C43
C44
C46
C47
C48
C52
C57
C58
C72
C73
C74
R1
R6
R7
R12
R27
R28
R96
R110
R113
PC1
PC2
PC4
PC6
PC8
T2AL250V
136°C 2A
T3.15AL250V
3.15A 250V
2A 250V
"CAUTION"
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE AND RATING OF FUSE.
"CAUTION"
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE AND RATING OF FUSE.
A B C D E
F C3

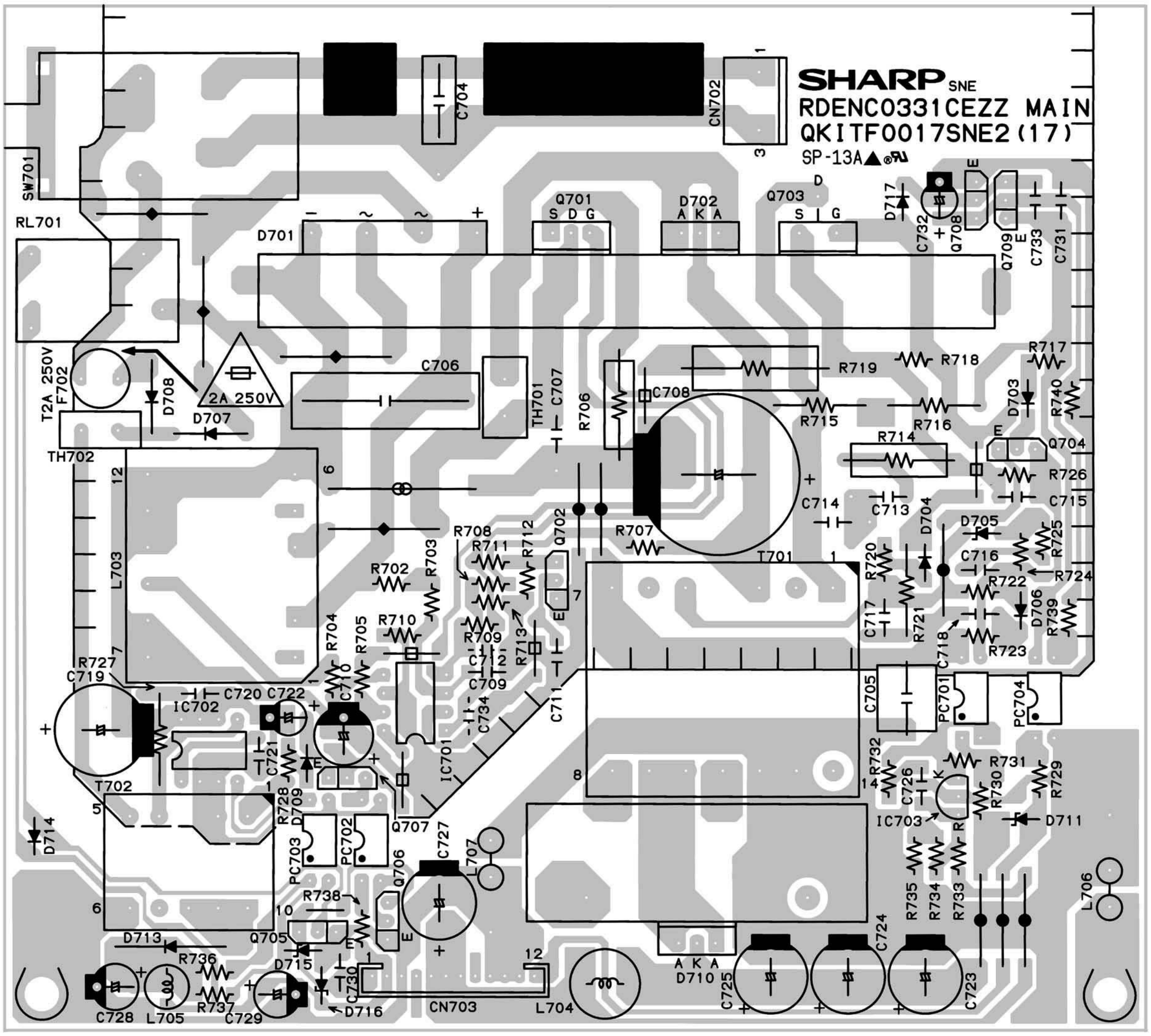
LCD POWER Unit (A-Side)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
CPCI-0056CE
(RPCI-0056CEZZ)
REF.NO.REF.1XXXX
SNT-M1V
NORMAL
WRITE
S1
CN3
CN5
CN1
CN10
CN4
CN7
CN6
CN8
CN9
IC25
IC1
IC4
IC413
IC400
IC405
IC53
IC319
IC320
IC8
IC7
IC310
IC411
IC316
IC327
IC324
IC326
IC323
IC412
IC418
IC423
IC424
X1
L100
L101
FL200
FL201
FL202
FL5
FL6
FL10
FL94
FL95
D75
D9
D20
Q12
TP1
TP2
TP3
TP10
TP11
TP12
TP13
C128
C77
C69

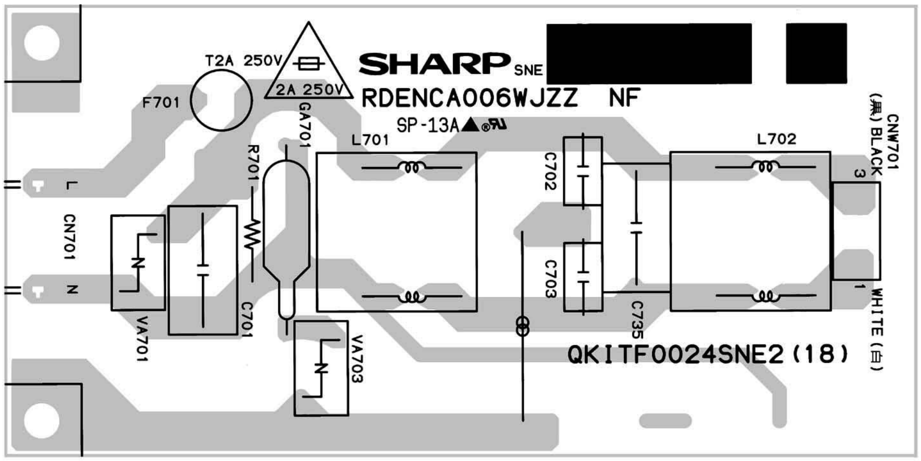
PC I/F Unit (A-Side)


H
G
F
E
D
C
B
A
1
2
3
4
5
6
RPCI-0056CE
TL128
D54
D56
D55
D57
C805
C806
C804
C807
C808
C361
IC2
IC19
IC414
C33
C32
C30
R18
R17
R16
C31
C759
X5
X6
C860
C857
C867
Q103
R1095
R1103
FL204
R1102
R1101
IC28
IC27
C910
FL23
C590
C587
IC321
IC322
C573
C574
C588
FL97
FL96
FL21
FL20
FL22
FL32
FL31
FL30
FL29
FL99
FL98
FL110
C367
C366
C10
C15
C531
C24
IC3
IC404
IC402
IC422
IC408
IC410
IC407
IC328
IC421
IC420
IC419
IC415
X3
X4
R43
R44
R50
R51
R57
R58
R65
R29
R652
R651
C29
C27
R947
R922
R10
R11
C20
C19
TL90
TL214
TL213
TL215
TL216
TL217
C891
C895
C890
C741
C705
C710
C550
C537
C542
C554
C559
C761
C809
FL101
TL211
TL212
TL75
TL73
TL74
C767
C882
C61
C62
R75
R80
L4
C96
C80
C852
C851
C854
C850
C849
C847
C776
C79
C564
C144
C148
C84
C146
R837
R836
C592
C757
L22
D76
C880
R950
R951
R955
R1079
R2
R3
FL1
C11

PC I/F Unit (B-Side)


H
G
F
E
D
SHARP SNE
RDENC0331CEZZ MAIN
QKITF0017SNE2 (17)
SP-13A
SW701
RL701
D701
Q701
D702
Q703
CN702
C704
F702
T2A 250V
2A 250V
D707
D708
TH702
C706
TH701
C707
R706
C708
R719
R718
R717
R715
R716
R714
D703
R740
Q704
R726
C715
C714
C713
D704
D705
R725
L703
R702
R703
R708
R711
R712
Q702
R707
T701
R720
C716
R722
R724
R721
D706
R739
R704
R705
R710
R709
R713
C717
C718
R723
R727
C719
C720
C722
IC702
C710
C709
C734
C711
C705
PC701
PC704
T702
C721
IC701
R732
C726
R731
R729
R730
IC703
D711
D714
R728
D709
PC703
PC702
Q707
C727
L707
Q706
R738
R735
R734
R733
L706
D713
Q705
R736
D715
C730
R737
D716
CN703
L704
D710
C725
C724
C723
C728
L705
C729

AVC POWER Unit (Component Side)


C
B
A
1
2
3
4
5
6
SHARP SNE
RDENCA006WJZZ NF
SP-13A
T2A 250V
2A 250V
F701
GA701
R701
L701
C702
L702
CNW701
BLACK
WHITE
CN701
L
N
VA701
C701
VA703
C703
C735
QKITF0024SNE2 (18)

AVC EMC Unit (Component Side)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER	2. REF. NO.
3. PART NO.	4. DESCRIPTION
5. CODE	6. QUANTITY

★ MARK : SPARE PARTS-DELIVERY SECTION

PRINTED WIRING BOARD ASSEMBLIES

(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	DUNTKA535DE14	–	Main Unit(AVC System)	—
	DUNTKA536DE04	–	Front Unit(AVC System)	—
	DUNTKA537DE04	–	AV Unit(AVC System)	—
	DUNTKA594DE04	–	SR Unit(AVC System)	—
	DUNTKA649DE04	–	LED Unit(AVC System)	—
	DUNTKA658DE03	–	Digital Unit(Display)	—
	DUNTKB157DE01	–	Main Unit(Display)	—
	DUNTKB158DE01	–	Audio Unit(Display)	—
	DUNTKB159DE01	–	Inverter-1 Unit(Display)	—
	DUNTKB160DE01	–	Inverter-2 Unit(Display)	—
	DUNTKB161DE01	–	Inverter GND Unit(Display)	—
	DUNTKB162DE01	–	R/C and LED Unit(Display)	—
	DUNTKB163DE01	–	Operation Unit(Display)	—
	DUNTKB164DE01	–	Speaker-L Unit(Display)	—
	DUNTKB165DE01	–	Speaker-R Unit(Display)	—
	RDENCA009WJZZ	–	Power Unit(Display)	—
	RDENCA001WJZZ	–	EMC Unit(AVC System)	—
	RDENC0331CEZZ	–	Power Unit(AVC System)	—
	CPCi-0056CE51	–	PC I/F Unit(AVC System)	—

LCD DISPLAY and LAMP

Ref. No.	Part No.	★	Description	Code
	RLCDTA010WJZZ	J	Display	
	KLMP-0128CEZZ	J	Lamp	AZ

DUNTKA535DE14

AVC MAIN UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC402	VHiCXD2064Q-1	J	CXD2064Q	
IC403	VHiM62320FP-1	J	M62320FP	AK
IC404	VHiML6428C1-1	J	Ml6428	
IC405	VHiCXD2064Q-1	J	CXD2064Q	
IC406	VHiM62320FP-1	J	M62320FP	AK
IC407	VHiML6428C1-1	J	Ml6428	
IC601	VHiNJM2233V-1	J	NJM2233V	AE
IC602	VHiNJM2234M-1	J	NJM2234M	AF
IC603	VHiNJM2233V-1	J	NJM2233V	AE
IC604	VHiTA1318AF-1	J	TA1318AF	
IC605	VHiTC4052BF1E	J	TC4052BF	AF
IC606	VHi74HCT74F-1	J	TC74HCT74AF	AE
IC801	VHiTB1274AF-1	J	TB1274AF	
IC802	VHiTB1274AF-1	J	TB1274AF	
IC803	VHiCXA2101Q-1	J	CXA2101AQ-Tl	BE
IC804	RH-iX3473CEZZ	J	Ml6426CS-1	AW
IC807	VHiTC7W34U/-1	J	TC7W34FU	
IC808	VHiTC7W34U/-1	J	TC7W34FU	
IC810	RH-iX3473CEZZ	J	Ml6426CS-1	AW
IC811	RH-iX3474CEZZ	J	Ml6426CS-4	AW
IC812	VHiNJM353M/-1	J	NJM353M	AG
IC814	VHiBA7655AF-1	J	BA7655AF	AG
IC1502	VHiM62393FP-1	J	M62393FP	AK
IC1503	VHiM62320FP-1	J	M62320FP	AK
IC1504	VHiTC7W53U/-1	J	TC7W53FU	AF
IC1701	VHiFA3675F/-1	J	FA3675F	AR
IC1704	VHiBA09T/FP-1	J	BA09FP-E2	AG
IC1706	VHiBA08FP++-1	J	BA08FP	
IC1708	VHiBA05FP++-1	J	BA05FP	
IC1709	VHiBA05FP++-1	J	BA05FP	
IC1710	VHiBA05FP++-1	J	BA05FP	
IC1711	VHiBA05FP++-1	J	BA05FP	
IC1712	VHiBA05FP++-1	J	BA05FP	
IC1713	VHiBA12FP++-1	J	BA12FP-E2	
IC1901	RH-iX3566CEZZ	J	EPM3064ATC44	
IC1902	VHiM62320FP-1	J	M62320FP	AK
IC1903	VHiTC7W34U/-1	J	TC7W34FU	
IC7200	RH-iX3289CEZZ	J	IX3289CE	AQ

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q403	VS2SA1530AR-1	J	2SA1530AR	AB
Q405	VS2SA1530AR-1	J	2SA1530AR	AB
Q406	VS2SC3928AR-1	J	2SC3928AR	AB
Q407	VS2SC3928AR-1	J	2SC3928AR	AB
Q408	VS2SC3928AR-1	J	2SC3928AR	AB
Q409	VS2SC3928AR-1	J	2SC3928AR	AB
Q414	VS2SA1530AR-1	J	2SA1530AR	AB
Q415	VS2SC3928AR-1	J	2SC3928AR	AB
Q416	VS2SC3928AR-1	J	2SC3928AR	AB
Q424	VS2SA1530AR-1	J	2SA1530AR	AB
Q425	VS2SA1530AR-1	J	2SA1530AR	AB
Q426	VS2SA1530AR-1	J	2SA1530AR	AB
Q427	VS2SA1530AR-1	J	2SA1530AR	AB
Q601	VS2SC3928AR-1	J	2SC3928AR	AB
Q602	VS2SC3928AR-1	J	2SC3928AR	AB
Q603	VS2SC3928AR-1	J	2SC3928AR	AB
Q604	VS2SC3928AR-1	J	2SC3928AR	AB
Q605	VS2SC3928AR-1	J	2SC3928AR	AB
Q606	VS2SC3928AR-1	J	2SC3928AR	AB
Q607	VS2SC3928AR-1	J	2SC3928AR	AB
Q608	VS2SC3928AR-1	J	2SC3928AR	AB
Q609	VS2SC3928AR-1	J	2SC3928AR	AB
Q610	VS2SK1467//-1	J	2SK1467	AE
Q611	VS2SC3928AR-1	J	2SC3928AR	AB
Q612	VS2SC3928AR-1	J	2SC3928AR	AB
Q613	VS2SC3928AR-1	J	2SC3928AR	AB
Q614	VS2SC3928AR-1	J	2SC3928AR	AB
Q615	VS2SC3928AR-1	J	2SC3928AR	AB
Q616	VS2SC3928AR-1	J	2SC3928AR	AB

DUNTKA535DE14

AVC MAIN UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
Q617	VS2SA1530AR-1	J	2SA1530AR	AB
Q618	VS2SC3928AR-1	J	2SC3928AR	AB
Q619	VS2SA1530AR-1	J	2SA1530AR	AB
Q622	VSDTC144TE/-1	J	DTC144TE	AB
Q623	VSDTC144TE/-1	J	DTC144TE	AB
Q624	VSDTC144EE/-1	J	DTC144EE	AA
Q625	VSDTC144EE/-1	J	DTC144EE	AA
Q801	VS2SA1530AR-1	J	2SA1530AR	AB
Q802	VS2SA1530AR-1	J	2SA1530AR	AB
Q803	VS2SA1530AR-1	J	2SA1530AR	AB
Q804	VS2SA1530AR-1	J	2SA1530AR	AB
Q805	VSDTC144EE/-1	J	DTC144EE	AA
Q807	VS2SC3928AR-1	J	2SC3928AR	AB
Q808	VS2SA1530AR-1	J	2SA1530AR	AB
Q809	VS2SC3928AR-1	J	2SC3928AR	AB
Q810	VS2SA1530AR-1	J	2SA1530AR	AB
Q811	VS2SA1530AR-1	J	2SA1530AR	AB
Q812	VS2SA1530AR-1	J	2SA1530AR	AB
Q813	VSDTC124EKA-1	J	DTC124EKA	AB
Q814	VS2SA1530AR-1	J	2SA1530AR	AB
Q815	VS2SA1530AR-1	J	2SA1530AR	AB
Q818	VS2SA1530AR-1	J	2SA1530AR	AB
Q819	VS2SA1530AR-1	J	2SA1530AR	AB
Q820	VS2SA1530AR-1	J	2SA1530AR	AB
Q821	VS2SC2735//1E	J	2SC2735	AC
Q822	VS2SC2735//1E	J	2SC2735	AC
Q823	VS2SC2735//1E	J	2SC2735	AC
Q824	VS2SA1530AR-1	J	2SA1530AR	AB
Q825	VS2SA1530AR-1	J	2SA1530AR	AB
Q826	VS2SA1530AR-1	J	2SA1530AR	AB
Q827	VS2SA1530AR-1	J	2SA1530AR	AB
Q828	VS2SA1530AR-1	J	2SA1530AR	AB
Q829	VS2SC3928AR-1	J	2SC3928AR	AB
Q830	VS2SC3928AR-1	J	2SC3928AR	AB
Q837	VS2SC3928AR-1	J	2SC3928AR	AB
Q838	VS2SA1530AR-1	J	2SA1530AR	AB
Q839	VS2SC2735//1E	J	2SC2735	AC
Q840	VS2SC2735//1E	J	2SC2735	AC
Q841	VS2SC2735//1E	J	2SC2735	AC
Q842	VS2SC3928AR-1	J	2SC3928AR	AB
Q843	VS2SC3928AR-1	J	2SC3928AR	AB
Q844	VS2SC3928AR-1	J	2SC3928AR	AB
Q1502	VSDTC144EE/-1	J	DTC144EE	AA
Q1503	VS2SB1132Q/-1	J	2SB1132Q	AC
Q1504	VS2SC3928AR-1	J	2SC3928AR	AB
Q1507	VSDTC144EE/-1	J	DTC144EE	AA
Q1508	VSDTA124EKA-1	J	DTA124EKA	AB
Q1509	VSDTC124EKA-1	J	DTA124EKA	AB
Q1510	VSDTA124EKA-1	J	DTA124EKA	AB
Q1511	VSDTC124EKA-1	J	DTA124EKA	AB
Q1512	VSDTA124EKA-1	J	DTA124EKA	AB
Q1513	VSDTC124EKA-1	J	DTA124EKA	AB
Q1701	VSDTC114EE/-1	J	DTC114EE	AB
Q1708	VSDTC114EE/-1	J	DTC114EE	AB
Q1710	VSFMMT718//-1	J	FMMT718	AE
Q1718	VS2SK2503//-1	J	2SK2503	AE
Q1719	VS2SC3928AR-1	J	2SC3928AR	AB
Q7201	VS2SC3928AR-1	J	2SC3928AR	AB
Q7206	VS2SC3928AR-1	J	2SC3928AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D601	VHD1SS355//-1	J	Diode	AB
D801	VHD1SS355//-1	J	Diode	AB
D802	VHD1SS355//-1	J	Diode	AB
D1502	VHDDAN222//-1	J	Diode	AA
D1503	VHDDAN222//-1	J	Diode	AA
D1504	VHDDAN222//-1	J	Diode	AA
D1505	VHD1SS355//-1	J	Diode	AB
D1506	VHD1SS355//-1	J	Diode	AB
D1701	VHDHSU119//-1	J	Diode	AB
D1702	VHDHSU119//-1	J	Diode	AB
D1706	VHDSFPB74//2E	J	Diode	AD
D1708	RH-EX0501CEZZ	J	Zener Diode	
D1709	RH-EX0501CEZZ	J	Zener Diode	
D1710	RH-EX0523CEZZ	J	Zener Diode	AB
D1711	VHDSFPB74//2E	J	Diode	AD
D1712	VHDHSU119//-1	J	Diode	AB
D1713	VHDHSU119//-1	J	Diode	AB
D1715	VHDSFPB56//2E	J	Diode	AC
D1716	VHD1SS250//1E	J	Diode	AB
D1717	VHDSFPB76//2E	J	Diode	AD
D1719	VHDSFPB76//2E	J	Diode	AD
D1720	VHDSFPB76//2E	J	Diode	AD
D1723	VHDSFPB74//2E	J	Diode	AD
D1724	VHDHSU119//-1	J	Diode	AB
D1727	VHDHSU119//-1	J	Diode	AB
D7201	VHDDAN222//-1	J	Diode	AA
D7202	VHDDAN222//-1	J	Diode	AA

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X601	RFiLA0034CEZZ	J	Filter	AD
X801	RCRSB0244CEZZ	J	Crystal	AH
X802	RCRSB0244CEZZ	J	Crystal	AH
X1901	RCRSZ0093CEZZ	J	Crystal	

FILTER, COILS AND TRANSFORMER

Ref. No.	Part No.	★	Description	Code
CF7201	RFiLA0098CEZZ	J	Filter	AD
L401	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L404	VP-1M270J3R8N	J	Peaking 27µH	AC
L407	VP-1M220J2R9N	J	Peaking 22µH	AC
L408	VP-1M220J2R9N	J	Peaking 22µH	AC
L409	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L601	VP-1M120J1R9N	J	Peaking 12µH	AC
L602	VP-1M6R8J1R4N	J	Peaking 6.8µH	AC
L603	VP-1M470J5R4N	J	Peaking 47µH	AC
L604	VP-1M6R8J1R4N	J	Peaking 6.8µH	AC
L605	VP-1M5R6J1R2N	J	Peaking 5.6µH	
L606	VP-1M8R2J1R5N	J	Peaking 8.2µH	AC
L607	VP-1M470J5R4N	J	Peaking 47µH	AC
L608	VP-1M3R9J1R0N	J	Peaking 3.9µH	AC
L609	VP-1M1R8JR70N	J	Peaking 1.8µH	
L610	VP-1M3R9J1R0N	J	Peaking 3.9µH	AC
L801	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L802	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L803	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L804	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L805	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L806	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L807	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L1708	RCiLC0175CEZZ	J	Coil	
L1710	RCiLC0175CEZZ	J	Coil	
L1711	RCiLC0130CEZZ	J	Coil	AG
L1712	RCiLP0159GEZZ	J	Coil	AD
L1718	RCiLC0170CEZZ	J	Coil	
L1719	RCiLP0159GEZZ	J	Coil	AD
L1720	RCiLP0159GEZZ	J	Coil	AD
L1721	RCiLP0160GEZZ	J	Coil	AD
L1722	RCiLP0166GEZZ	J	Coil	
T1701	RTRNZ0802CEZZ	J	Transformer	

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C403	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C404	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C405	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C406	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C407	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C408	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C409	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C410	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C411	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C412	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C413	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C414	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C415	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C416	VCEAPF0JN107M	J	100	6.3V	Electrolytic	AD
C417	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C418	VCKYCY1HF223Z	J	0.022	50V	Ceramic	AB
C419	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C420	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C421	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C422	VCEAPW1CN107M	J	100	16V	Electrolytic	AE
C423	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C427	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C428	VCCCCY1HH560J	J	56p	50V	Ceramic	AA
C429	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C430	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C431	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C432	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C433	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C434	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C435	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C436	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C437	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C438	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C439	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C440	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C441	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C442	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C443	VCEAPF0JN107M	J	100	6.3V	Electrolytic	AD
C444	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C445	VCKYCY1HF223Z	J	0.022	50V	Ceramic	AB
C446	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C447	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C448	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C449	VCEAPW1CN107M	J	100	16V	Electrolytic	AE
C450	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C451	VCEAPF0JN107M	J	100	6.3V	Electrolytic	AD
C452	VCEAPF0JN107M	J	100	6.3V	Electrolytic	AD
C460	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C461	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C462	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C463	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C464	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C465	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C466	VCEAPW1CN107M	J	100	16V	Electrolytic	AE
C467	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C468	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C469	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C470	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C601	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C603	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C606	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C609	VCEAPF1AW336M	J	33	10V	Electrolytic	AC
C611	VCEAPF1AW336M	J	33	10V	Electrolytic	AC
C612	VCEAPF1AW336M	J	33	10V	Electrolytic	AC
C614	VCEAPF1HN105M	J	1.0	50V	Electrolytic	AD
C615	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C616	VCEAPF1HW105M	J	1.0	50V	Electrolytic	AB
C617	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C618	RC-EZ0538CEZZ	J	330	16V	Electrolytic	AE
C619	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C620	VCEASH0JN227M	J	220	6.3V	Electrolytic	
C621	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C622	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C623	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C624	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C625	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C626	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C627	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C628	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C629	VCCCCY1HH821J	J	820p	50V	Ceramic	
C630	VCKYCY1HB392K	J	3900p	50V	Ceramic	AA
C631	VCKYCY1HB122K	J	1200p	50V	Ceramic	AA
C632	VCCCCY1HH121J	J	120p	50V	Ceramic	AA
C633	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C634	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C635	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C636	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C637	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C638	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C639	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C640	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C641	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C642	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C643	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C644	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C645	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C646	VCEAPF1HW475M	J	4.7	50V	Electrolytic	AB
C647	VCEAPF1AW336M	J	33	10V	Electrolytic	AC
C648	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C649	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C650	VCCCCY1HH151J	J	150p	50V	Ceramic	AA
C651	VCCCCY1HH121J	J	120p	50V	Ceramic	AA
C652	VCCCCY1HH271J	J	270p	50V	Ceramic	AA
C653	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C654	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C655	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C656	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C657	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C658	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C659	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C660	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C661	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C662	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C663	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C801	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C802	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C803	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C804	VCEAPF0JN107M	J	100	6.3V	Electrolytic	AD
C805	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C807	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C808	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C809	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C810	VCEAPF1EN475M	J	4.7	25V	Electrolytic	AC
C811	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C812	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C813	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C814	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C815	VCAAPF0JJ107M	J	100	6.3V	Electrolytic	
C816	VCCCCY1HH9R0D	J	9.0p	50V	Ceramic	AA
C817	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C818	VCEAPF1HN474M	J	0.47	50V	Electrolytic	AD
C819	VCEAPF1HN225M	J	2.2	50V	Electrolytic	AD
C820	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C821	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C822	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C823	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C824	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C825	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C826	VCEAPF0JN107M	J	100	6.3V	Electrolytic	AD
C827	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C828	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C829	VCEAPF1CN106M	J	10	16V	Electrolytic	AD
C830	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C831	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C832	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C833	VCEAPF1EN475M	J	4.7	25V	Electrolytic	AC
C834	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C835	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C836	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C837	VCAAPF0JJ107M	J	100	6.3V	Electrolytic	
C838	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C839	VCCCCY1HH9R0D	J	9.0p	50V	Ceramic	AA
C840	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C841	VCEAPF1HN474M	J	0.47	50V	Electrolytic	AD
C842	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C843	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C844	VCKYTV1EB104K	J	0.1	25V	Ceramic	AB
C845	VCEAPF1HN225M	J	2.2	50V	Electrolytic	AD
C846	VCKYCY1EB223K	J	0.022	25V	Ceramic	AA
C847	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C848	VCEAPF1HN105M	J	1.0	50V	Electrolytic	AD

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Ref. No.	Part No.	★	Description	Code
C849	VCEAPF1HN105M	J	1.0 50V Electrolytic	AD
C850	VCEAPF1HN105M	J	1.0 50V Electrolytic	AD
C851	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C852	VCEASD1CN477M	J	470 16V Electrolytic	
C853	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C854	VCEAPF0JW227M	J	220 6.3V Electrolytic	
C855	VCEAPF0JW227M	J	220 6.3V Electrolytic	
C856	VCEAPF0JW227M	J	220 6.3V Electrolytic	
C860	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C861	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C866	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C868	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C869	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C870	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C871	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C872	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C873	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C874	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C875	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C876	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C877	VCKYTV1CB474K	J	0.47 16V Ceramic	AC
C878	VCKYTV1CB474K	J	0.47 16V Ceramic	AC
C879	VCEAPF1CN226M	J	22 16V Electrolytic	AD
C880	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C881	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C882	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C883	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C884	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C885	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C886	VCCCCY1HH390J	J	39p 50V Ceramic	AA
C887	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C888	VCKYTV1CB474K	J	0.47 16V Ceramic	AC
C890	RC-KZ1025CEZZ	J	1.0 10V Ceramic	AB
C891	VCEAPF0JN476M	J	47 6.3V Electrolytic	AD
C892	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C893	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C894	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C895	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C896	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C897	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C898	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C899	VCEAPF0JN476M	J	47 6.3V Electrolytic	AD
C900	VCEAPF0JN107M	J	100 6.3V Electrolytic	AD
C901	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C902	VCEAPF1HN105M	J	1.0 50V Electrolytic	AD
C903	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C912	VCEAPF1HN474M	J	0.47 50V Electrolytic	AD
C913	VCEAPF1HN474M	J	0.47 50V Electrolytic	AD
C914	VCAAPF1CJ396M	J	39 16V Electrolytic	
C915	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C916	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C917	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C918	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C919	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C920	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C921	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C922	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C923	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C924	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C925	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C926	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C927	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C928	VCEAPF1CN476M	J	47 16V Electrolytic	AD
C929	VCEAPF1CN476M	J	47 16V Electrolytic	AD
C930	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C931	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C932	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C933	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C934	VCEAPF1CN226M	J	22 16V Electrolytic	AD
C935	VCEASH0JN227M	J	220 6.3V Electrolytic	
C936	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C937	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C938	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C942	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C943	VCKYTV1EB104K	J	0.1 25V Ceramic	AB
C944	RC-KZ1025CEZZ	J	1.0 10V Ceramic	AB
C950	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C951	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C952	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C953	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C954	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1502	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1503	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1504	VCEAPF0JN107M	J	100 6.3V Electrolytic	AD
C1505	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C1506	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C1511	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1512	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C1701	VCEASH1CN337M	J	330 16V Electrolytic	
C1702	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C1703	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1704	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C1705	VCKYCY1CF474Z	J	0.47 16V Ceramic	AB
C1706	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C1707	VCKYTV1CF224Z	J	0.22 16V Ceramic	AB
C1709	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1711	VCKYTV1CF104Z	J	0.1 16V Ceramic	AA
C1712	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1713	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1714	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C1715	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C1717	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1718	VCEASM1CN107M	J	100 16V Electrolytic	
C1719	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C1720	VCKYCY1HB222K	J	2200p 50V Ceramic	AA
C1721	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1722	VCEASM1CN107M	J	100 16V Electrolytic	
C1724	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1725	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C1727	VCAAPF1CJ396M	J	39 16V Electrolytic	
C1728	VCAAPF1CJ826M	J	82 16V Electrolytic	
C1729	VCAAPF0JJ227M	J	220 6.3V Electrolytic	
C1731	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1732	VCEASD1CN477M	J	470 16V Electrolytic	
C1733	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1734	VCEASM1CN107M	J	100 16V Electrolytic	
C1735	VCEASD1CN477M	J	470 16V Electrolytic	
C1736	VCAAPF1CJ396M	J	39 16V Electrolytic	
C1737	VCAAPF1CJ826M	J	82 16V Electrolytic	
C1738	VCAAPF0GJ337M	J	330 4.0V Electrolytic	
C1740	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1741	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1742	VCEASM1CN107M	J	100 16V Electrolytic	
C1743	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1745	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C1746	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1748	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1749	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C1750	VCEASH1CN337M	J	330 16V Electrolytic	
C1751	VCKYCY1HB562K	J	5600p 50V Ceramic	AA
C1752	VCAAPF1CJ826M	J	82 16V Electrolytic	
C1753	VCKYCY1HB562K	J	5600p 50V Ceramic	AA
C1754	VCEASH1HN107M	J	100 50V Electrolytic	
C1755	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C1756	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C1757	VCEASH1CN337M	J	330 16V Electrolytic	
C1758	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C1759	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C1764	VCEASH1CN337M	J	330 16V Electrolytic	
C1765	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C1766	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C1767	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C1768	VCEASH1CN337M	J	330 16V Electrolytic	
C1769	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C1770	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1771	VCKYCY1HB102K	J	1000p 50V Ceramic	AA

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Ref. No.	Part No.	★	Description	Code
C1772	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1773	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1774	VCEASD1CN477M	J	470 16V Electrolytic	
C1775	VCEASD1CN337M	J	330 16V Electrolytic	
C1776	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1777	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1778	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1779	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1780	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1781	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1782	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1783	VCAAPF1CJ396M	J	39 16V Electrolytic	
C1784	VCAAPF1CJ826M	J	82 16V Electrolytic	
C1785	VCAAPF1AJ157M	J	150 10V Electrolytic	
C1787	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1788	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1789	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1790	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1791	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1792	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1793	VCEASM1CN107M	J	100 16V Electrolytic	
C1794	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1795	VCEASM1CN107M	J	100 16V Electrolytic	
C1796	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1797	VCEASM1CN107M	J	100 16V Electrolytic	
C1798	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1901	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1902	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1903	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1904	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1905	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1906	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1907	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1908	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1909	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1910	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1911	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C7201	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C7203	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C7204	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C7205	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C7206	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C7207	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C7208	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C7209	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C7210	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C7221	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R403	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R404	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R405	VRS-CY1JF221F	J	220 1/16W Metal Oxide	AA
R406	VRS-CY1JF391F	J	390 1/16W Metal Oxide	AA
R409	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R410	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R411	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R412	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R413	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R414	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R415	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R416	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R417	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R418	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R420	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R421	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R422	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R423	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R424	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R425	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R435	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R436	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R437	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R439	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R440	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R441	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R444	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R445	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R446	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R447	VRS-CY1JF361J	J	360 1/16W Metal Oxide	AA
R448	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R449	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R450	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R451	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R452	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R453	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R454	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R455	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R456	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R457	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R458	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R459	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R460	VRS-CY1JF241F	J	240 1/16W Metal Oxide	AA
R461	VRS-CY1JF391F	J	390 1/16W Metal Oxide	AA
R464	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R465	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R466	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R467	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R468	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R469	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R470	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R471	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R472	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R474	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R475	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R476	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R477	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R478	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R479	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R480	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R481	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R482	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R499	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R500	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R504	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R505	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R506	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R507	VRS-CY1JF361J	J	360 1/16W Metal Oxide	AA
R508	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R509	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R528	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R529	VRS-CY1JF911J	J	910 1/16W Metal Oxide	AA
R530	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R531	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R532	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R533	VRS-CY1JF911J	J	910 1/16W Metal Oxide	AA
R534	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R535	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R536	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R537	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R564	VRS-CY1JF361J	J	360 1/16W Metal Oxide	AA
R602	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R605	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R606	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R607	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R608	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R609	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R610	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R611	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R612	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R613	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R614	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R615	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R616	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R618	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R619	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R620	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R621	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R622	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R623	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R624	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R625	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R626	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R627	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R628	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R629	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R630	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R631	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R632	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R633	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R634	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R635	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R636	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R637	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R638	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R639	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R640	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R641	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R642	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R643	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R644	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R646	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R647	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R648	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R649	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R650	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R651	VRS-CY1JF512J	J	5.1k 1/16W Metal Oxide	AA
R652	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R653	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R654	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R655	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R656	VRS-CY1JF512J	J	5.1k 1/16W Metal Oxide	AA
R657	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R658	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R659	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R660	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R661	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R663	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R664	VRS-CY1JF301F	J	300 1/16W Metal Oxide	AA
R665	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R666	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R667	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R668	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R669	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R670	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R675	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R676	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R677	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R678	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R679	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R680	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R681	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R682	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R683	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R684	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R685	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R686	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R687	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R688	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R689	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R690	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R691	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R692	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R693	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R694	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R695	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R706	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R707	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R708	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R709	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R710	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R711	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R802	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R803	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R804	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R805	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R806	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R807	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R808	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R809	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R810	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R811	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R812	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R813	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R816	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R817	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R818	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R819	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R820	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R821	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R822	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R829	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R830	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R831	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R832	VRS-CY1JF473F	J	47k 1/16W Metal Oxide	AA
R833	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R834	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R835	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R836	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R837	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R841	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R842	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R844	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R846	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R847	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R850	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R851	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R853	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R854	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R855	VRS-CY1JF335J	J	3.3M 1/16W Metal Oxide	AA
R856	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R857	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R858	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R859	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R864	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R865	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R866	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R867	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R868	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R869	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R873	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R874	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R875	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R876	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R877	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R886	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R891	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R892	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R894	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R896	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R898	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R899	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R900	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R901	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R902	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R903	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R904	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R905	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R906	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R907	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R908	VRS-TQ2BD151J	J	150 1/8W Metal Oxide	AA
R909	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R910	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R911	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R912	VRS-CY1JF432J	J	4.3k 1/16W Metal Oxide	AA
R913	VRS-TQ2BD151J	J	150 1/8W Metal Oxide	AA
R914	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R915	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R923	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R924	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R925	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R926	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R927	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R928	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R929	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R930	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R931	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R932	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R933	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R934	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R935	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R936	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R937	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R938	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R939	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R940	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R941	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R942	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R943	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R944	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R945	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R946	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R947	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R948	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R949	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R950	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R951	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R952	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R953	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R954	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R955	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R956	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R957	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R958	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R959	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R960	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R961	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R962	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R963	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R964	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R965	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R966	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R967	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R968	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R969	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R970	VRS-CY1JF113F	J	11k 1/16W Metal Oxide	AA
R971	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R972	VRS-CY1JF152F	J	1.5k 1/16W Metal Oxide	AA
R973	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R974	VRS-CY1JF105J	J	1.0M 1/16W Metal Oxide	AA
R975	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R976	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R977	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R978	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R979	VRS-CY1JF333F	J	33k 1/16W Metal Oxide	AA
R980	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R981	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R982	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R983	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R984	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R987	VRS-CY1JF331F	J	330 1/16W Metal Oxide	AA
R988	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R989	VRS-CY1JF121F	J	120 1/16W Metal Oxide	AA
R990	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R991	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R992	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R993	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R994	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R995	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R996	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R997	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R998	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R999	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1501	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1502	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1503	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1504	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1505	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1506	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1507	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1515	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1516	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1517	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1518	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1519	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1521	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1522	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1524	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1525	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1529	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1530	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1531	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1533	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1534	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1535	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1538	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1539	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1544	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1545	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1550	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1551	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1564	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1565	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1566	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1568	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1569	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1570	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1571	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1572	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1573	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1594	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1596	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1701	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R1702	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R1706	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R1707	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R1708	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R1709	VRS-TW2ED100J	J	10 1/4W Metal Oxide	AA
R1711	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1712	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1713	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1714	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1718	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1719	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1721	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1722	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1724	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1726	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1727	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1728	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1736	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1743	VRS-TW2ED120J	J	12 1/4W Metal Oxide	AB
R1744	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R1745	VRS-CY1JF331F	J	330 1/16W Metal Oxide	AA
R1746	VRS-CY1JF152F	J	1.5k 1/16W Metal Oxide	AA
R1747	VRS-CY1JF473F	J	47k 1/16W Metal Oxide	AA
R1751	VRS-TW2ED471J	J	470 1/4W Metal Oxide	AA
R1753	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1756	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1763	VRS-TW2ED120J	J	12 1/4W Metal Oxide	AB
R1764	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA

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AVC MAIN UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R1765	VRS-CY1JF331F	J	330 1/16W Metal Oxide	AA
R1766	VRS-CY1JF182F	J	1.8k 1/16W Metal Oxide	AA
R1767	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R1774	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1775	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R1776	VRS-CY1JF561F	J	560 1/16W Metal Oxide	AA
R1777	VRS-CY1JF303F	J	30k 1/16W Metal Oxide	AA
R1778	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R1779	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R1780	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R1781	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1782	VRS-TW2ED120J	J	12 1/4W Metal Oxide	AB
R1783	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R1784	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R1785	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1786	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1788	VRS-CR3AD821J	J	820 1W Metal Oxide	AC
R1790	VRS-TQ2BD683J	J	68k 1/8W Metal Oxide	AA
R1791	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1792	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1794	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1901	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1902	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1905	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1906	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1907	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1911	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1913	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1915	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1916	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1917	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1920	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1921	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1922	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1923	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1926	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1927	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1928	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1929	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1930	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1931	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1932	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1933	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1934	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1935	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1936	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1937	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1938	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1939	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1940	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1941	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1942	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1943	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1944	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7201	VRS-CY1JF105J	J	1.0M 1/16W Metal Oxide	AA
R7202	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R7203	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R7205	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7206	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7207	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7208	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7209	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7210	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7211	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7215	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7216	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7217	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7224	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7225	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R7237	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7238	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7239	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7240	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
F1702	QFS-D0011CEZZ	J	Fuse	AE
FB401	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB601	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB602	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB603	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB801	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB802	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB803	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB1701	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1702	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1703	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1704	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1705	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1706	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1707	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1709	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1710	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1711	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1712	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1713	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1714	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1715	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1716	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1717	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1718	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1719	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1720	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1721	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1722	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1723	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1724	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1725	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1727	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1728	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1729	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1730	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1731	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB1732	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1733	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1734	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1735	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1736	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1737	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1740	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1741	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1742	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1744	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1745	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1746	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1747	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1748	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1749	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1751	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1752	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB1901	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB1902	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB7201	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB7203	RBLN-0061TAZZ	J	Ferrite Bead	AD
FH1703	QFSHD1002CEZZ	J	Fuse Holder	AA
FH1704	QFSHD1002CEZZ	J	Fuse Holder	AA
P801	QPLGN0056CEZZ	J	Plug	
P1502	QPLGN0549FJZZ	J	Plug 12-Pin	
P1504	QPLGN0060CEZZ	J	Plug 10-Pin	
P1702	QPLGN0550FJZZ	J	Plug 13-Pin	
P1703	QPLGN0062CEZZ	J	Plug 12-Pin	
SC1501	QSOCN0490FJZZ	J	Socket	AF
SC1502	QSOCN0464FJZZ	J	Socket	AH
SC1503	QSOCN0550FJZZ	J	Socket	
SC1504	QSOCN0490FJZZ	J	Socket 30-Pin	AF
	QCNW-6077CEZZ	J	Connecting Cord	AH

DUNTKA536DE04
FRONT UNIT

INTEGRATED CIRCUIT

Ref. No.	Part No.	★	Description	Code
IC3401	VHi24LC21//-1	J	24LC21T	AN

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q3401	VS2SC2735//1E	J	2SC2735	AC
Q3402	VS2SC2735//-1	J	2SC2735	AB
Q3403	VS2SC2735//1E	J	2SC2735	AC

DIODES

Ref. No.	Part No.	★	Description	Code
D3401	RH-EX1264CEZZ	J	Zener Diode	AB
D3402	VHDMA3120WA-1	J	Diode	AK
D3403	VHDMA3120WA-1	J	Diode	AK
D3404	VHDMA3120WA-1	J	Diode	AK
D3405	RH-EX1264CEZZ	J	Zener Diode	AB
D3406	RH-EX1264CEZZ	J	Zener Diode	AB
D3407	RH-EX1271CEZZ	J	Zener Diode	AB
D3408	RH-EX1271CEZZ	J	Zener Diode	AB
D3409	VHDDAN222//-1	J	Diode	AA

FILTERS AND COIL

Ref. No.	Part No.	★	Description	Code
FL3401	RFiLN0003TAZZ	J	Filter	AD
FL3402	RFiLN0003TAZZ	J	Filter	AD
FL3403	RFiLN0003TAZZ	J	Filter	AD
FL3412	RFiLN0017TAZZ	J	Filter	AC
FL3413	RFiLN0017TAZZ	J	Filter	AC
FL3414	RFiLN0017TAZZ	J	Filter	AC
L3401	VP-1M100J1R6N	J	Peaking 10µH	AC

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C3401	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C3402	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3403	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3404	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C3405	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3406	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C3407	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3408	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C3409	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3410	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C3411	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C3412	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C3414	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C3415	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C3416	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3417	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C3418	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C3420	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3421	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3422	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3423	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3426	VCEAPW1EN106M	J	10 25V Electrolytic	AD
C3427	VCEAPW1EN106M	J	10 25V Electrolytic	AD
C3428	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C3429	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C3430	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C3431	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C3432	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C3433	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3434	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3435	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C3436	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3437	VCKYCY1HB102K	J	1000p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R3401	VRS-TQ2BD561J	J	560 1/8W Metal Oxide	AA
R3402	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3403	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3404	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3405	VRS-TQ2BD561J	J	560 1/8W Metal Oxide	AA
R3406	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3407	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3408	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3409	VRS-TQ2BD561J	J	560 1/8W Metal Oxide	AA
R3410	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3411	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3412	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3413	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3414	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3415	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3416	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3417	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3418	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3422	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3423	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3424	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3425	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3427	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3428	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3429	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3430	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3431	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3432	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3433	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3434	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3435	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3436	VRS-CY1JF274F	J	270k 1/16W Metal Oxide	AA
R3437	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3439	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R3440	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R3441	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R3442	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3443	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3444	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3445	VRS-TW2ED4R7J	J	4.7 1/4W Metal Oxide	AA
R3446	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3447	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3448	VRS-TW2ED4R7J	J	4.7 1/4W Metal Oxide	AA
R3449	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3450	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3451	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3453	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3454	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3455	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA
R3456	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
SW3401	QSW-K0069CEZZ	J	Clear	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB3401	RBLN-0076TAZZ	J	Ferrite Bead	AC
FB3402	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3403	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3404	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3405	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB3406	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB3407	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB3408	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB3409	RBLN-0062TAZZ	J	Ferrite Bead	AB
J3401	QJAKZ0102PEZZ	J	Input4	AH
J3403	QJAKJ0047CEZZ	J	PC Input(Audio)	AD
P3401	QPLGN1278GEZZ	J	Plug 12-Pin	AC
P3402	QPLGN0428FJZZ	J	Plug 18-Pin	AD
SC3401	QSOCN1594CEZZ	J	PC Input(Video)	AK

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AV UNIT

TUNER

Ref. No.	Part No.	★	Description	Code
TU1101	VTUVT4T5FD203	J	Tuner	BL

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC1102	VHiM62320FP-1	J	M62320FP	AK
IC1103	VHiBA05FP++-1	J	BA05FP	
IC1104	VHiMM1506XN-1	J	MM1506XNRE	AE
IC1105	VHiMM1506XN-1	J	MM1506XNRE	AE
IC1301	VHiCXA2069Q-1	J	CXA2069Q	AR
IC1401	VHiMM1519XQ-1	J	MM1519XQ	AW
IC1601	VHiSDA5550M-1	J	SDA5550M	
IC1602	RH-iXA134WJN1	J	MBM29Dl400TC	
IC1603	VHi62S8308X-1	J	A62S8308X-70SI	
IC1604	VHiMM1501XN-1	J	MM1501XNRE	
IC1605	VHi7WH157FK-1	J	TC7WH157FK	
IC1606	VHiBA033FP/-1	J	BA033FP-E2	AG
IC1607	VHiPST9121N-1	J	IC-PST9121NR	
IC1608	VHiLVC157T+-1	J	SN74LVC157APER	
IC1609	VHiLVC04AT+-1	J	SN74LVC04APWR	
IC1611	VHiPST9128N-1	J	IC-PST9128NR	
IC1612	VHiTC7SZ08U-1	J	TC7SZ08FU	
IC1613	VHiBA025FP+-1	J	BA25BC0FP	
IC1614	VHiTCVHC08T-1	J	TC74VHC08FT	
IC1615	VHi74LVX86T-1	J	TC74LVX86FT	
IC1616	VHiNC7SZ58P-1	J	NC7SZ58P6X	
IC2501	RH-iX3371CEZZ	J	MSP3410G-QA-B5	BD
IC2503	VHiPST529DM-1	J	PST529DMT	AE
IC2504	VHiNJM4560M-1	J	NJM4560M	AG

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q1101	VSDTC314TK/-1	J	DTC314TK	AC
Q1102	VSDTC314TK/-1	J	DTC314TK	AC
Q1103	VS2SC3928AR-1	J	2SC3928AR	AB
Q1104	VSDTC314TK/-1	J	DTC314TK	AC
Q1105	VS2SC3928AR-1	J	2SC3928AR	AB
Q1106	VS2SC3928AR-1	J	2SC3928AR	AB
Q1107	VSDTC314TK/-1	J	DTC314TK	AC
Q1108	VS2SC3928AR-1	J	2SC3928AR	AB
Q1109	VSDTC314TK/-1	J	DTC314TK	AC
Q1110	VS2SC3928AR-1	J	2SC3928AR	AB
Q1111	VS2SC3928AR-1	J	2SC3928AR	AB
Q1112	VSDTC314TK/-1	J	DTC314TK	AC
Q1113	VS2SC3928AR-1	J	2SC3928AR	AB
Q1114	VS2SC3928AR-1	J	2SC3928AR	AB
Q1115	VS2SC3928AR-1	J	2SC3928AR	AB
Q1116	VSDTC314TK/-1	J	DTC314TK	AC
Q1117	VSDTC314TK/-1	J	DTC314TK	AC
Q1119	VS2SC3928AR-1	J	2SC3928AR	AB
Q1120	VS2SC3928AR-1	J	2SC3928AR	AB
Q1121	VS2SC3928AR-1	J	2SC3928AR	AB
Q1122	VS2SC3928AR-1	J	2SC3928AR	AB
Q1123	VS2SA1530AR-1	J	2SA1530AR	AB
Q1124	VS2SC3928AR-1	J	2SC3928AR	AB
Q1125	VS2SC3928AR-1	J	2SC3928AR	AB
Q1126	VS2SC3928AR-1	J	2SC3928AR	AB
Q1127	VSDTC144EE/-1	J	DTC144EE	AA
Q1128	VSDTA144EE/-1	J	DTA144EE	AA
Q1129	VSDTC144EE/-1	J	DTC144EE	AA
Q1130	VSDTA144EE/-1	J	DTA144EE	AA
Q1131	VS2SA1530AR-1	J	2SA1530AR	AB
Q1132	VS2SC3928AR-1	J	2SC3928AR	AB
Q1134	VS2SC3928AR-1	J	2SC3928AR	AB
Q1135	VS2SA1530AR-1	J	2SA1530AR	AB
Q1401	VS2SC3928AR-1	J	2SC3928AR	AB
Q1402	VS2SC3928AR-1	J	2SC3928AR	AB
Q1403	VS2SA1530AR-1	J	2SA1530AR	AB
Q1404	VS2SC3928AR-1	J	2SC3928AR	AB
Q1405	VS2SA1530AR-1	J	2SA1530AR	AB
Q1406	VS2SA1530AR-1	J	2SA1530AR	AB
Q1407	VS2SA1530AR-1	J	2SA1530AR	AB
Q1408	VS2SC3928AR-1	J	2SC3928AR	AB
Q1409	VS2SC3928AR-1	J	2SC3928AR	AB
Q1410	VS2SC3928AR-1	J	2SC3928AR	AB
Q1411	VS2SC3928AR-1	J	2SC3928AR	AB
Q1601	VS2SC3928AR-1	J	2SC3928AR	AB
Q1602	VS2SC3928AR-1	J	2SC3928AR	AB
Q1604	VS2SC3928AR-1	J	2SC3928AR	AB
Q1605	VS2SA1530AR-1	J	2SA1530AR	AB
Q1606	VS2SC3928AR-1	J	2SC3928AR	AB
Q1607	VS2SA1530AR-1	J	2SA1530AR	AB
Q1608	VSDTC144TE/-1	J	DTC144TE	AB
Q1609	VS2SA1530AR-1	J	2SA1530AR	AB
Q1610	VS2SA1530AR-1	J	2SA1530AR	AB
Q1611	VS2SA1530AR-1	J	2SA1530AR	AB
Q1612	VS2SA1530AR-1	J	2SA1530AR	AB
Q2502	VS2SA1530AR-1	J	2SA1530AR	AB
Q2503	VS2SA1530AR-1	J	2SA1530AR	AB
Q2504	VS2SA1530AR-1	J	2SA1530AR	AB
Q2505	VS2SA1530AR-1	J	2SA1530AR	AB
Q2506	VS2SA1530AR-1	J	2SA1530AR	AB
Q2507	VSDTA144EE/-1	J	DTA144EE	AA
Q2508	VSDTC144EE/-1	J	DTC144EE	AA

DIODES

Ref. No.	Part No.	★	Description	Code
D1102	RH-EX1264CEZZ	J	Zener Diode	AB
D1105	RH-EX1264CEZZ	J	Zener Diode	AB
D1114	RH-EX1264CEZZ	J	Zener Diode	AB
D1119	RH-EX1264CEZZ	J	Zener Diode	AB
D1122	RH-EX1264CEZZ	J	Zener Diode	AB
D1128	RH-EX0674GEZZ	J	Zener Diode	AA
D1130	RH-EX0882CEZZ	J	Zener Diode	AC
D1131	RH-EX0882CEZZ	J	Zener Diode	AC
D1132	RH-EX0882CEZZ	J	Zener Diode	AC
D1133	RH-EX0882CEZZ	J	Zener Diode	AC
D1134	VHDHSU119//-1	J	Diode	AB
D1135	VHDHSU119//-1	J	Diode	AB
D1136	VHDHSU119//-1	J	Diode	AB
D1302	RH-EX1264CEZZ	J	Zener Diode	AB
D1303	RH-EX1264CEZZ	J	Zener Diode	AB
D1305	RH-EX1264CEZZ	J	Zener Diode	AB
D1306	RH-EX1264CEZZ	J	Zener Diode	AB
D1308	RH-EX1264CEZZ	J	Zener Diode	AB
D1309	RH-EX1264CEZZ	J	Zener Diode	AB
D1310	RH-EX1264CEZZ	J	Zener Diode	AB
D1311	RH-EX1264CEZZ	J	Zener Diode	AB
D1312	RH-EX1264CEZZ	J	Zener Diode	AB
D1313	RH-EX1264CEZZ	J	Zener Diode	AB
D1401	RH-EX1264CEZZ	J	Zener Diode	AB
D1402	RH-EX1264CEZZ	J	Zener Diode	AB
D1403	RH-EX1264CEZZ	J	Zener Diode	AB
D1406	VHDMA157A//-1	J	Diode	AC
D1407	VHDMA157A//-1	J	Diode	AC
D1411	RH-EX1264CEZZ	J	Zener Diode	AB
D1412	RH-EX1264CEZZ	J	Zener Diode	AB
D1413	RH-EX1264CEZZ	J	Zener Diode	AB
D1602	VHDHSU119//-1	J	Diode	AB
D2502	VHDDAN222//-1	J	Diode	AA
D2503	VHD1SS250//1E	J	Diode	AB
D2504	VHD1SS250//1E	J	Diode	AB
D2505	VHDMA157A//-1	J	Diode	AC
D2506	VHDHSU119//-1	J	Diode	AB
D2507	VHDHSU119//-1	J	Diode	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X1601	RCRSCA002WJZZ	J	Crystal	
X2501	RCRSB0250GEZZ	J	Crystal	AG

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL1105	RFiLN0017TAZZ	J	Filter	AC
FL1106	RFiLN0017TAZZ	J	Filter	AC
FL1107	RFiLN0017TAZZ	J	Filter	AC
FL1108	RFiLN0017TAZZ	J	Filter	AC
FL1109	RFiLN0017TAZZ	J	Filter	AC
FL1112	RFiLN0017TAZZ	J	Filter	AC
FL1113	RFiLN0017TAZZ	J	Filter	AC
FL1114	RFiLN0017TAZZ	J	Filter	AC

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Ref. No.	Part No.	★	Description	Code
FL1118	RFiLN0017TAZZ	J	Filter	AC
FL1119	RFiLN0017TAZZ	J	Filter	AC
FL1120	RFiLN0017TAZZ	J	Filter	AC
FL1121	RFiLN0017TAZZ	J	Filter	AC
FL1122	RFiLN0017TAZZ	J	Filter	AC
FL1125	RFiLN0017TAZZ	J	Filter	AC
FL1126	RFiLN0017TAZZ	J	Filter	AC
FL1127	RFiLN0017TAZZ	J	Filter	AC
FL1128	RFiLN0017TAZZ	J	Filter	AC
FL1133	RFiLN0017TAZZ	J	Filter	AC
FL1134	RFiLN0017TAZZ	J	Filter	AC
L1101	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L1102	VP-1M2R7JR85N	J	Peaking 2.7µH	
L1103	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L1104	VP-1M3R3JR93N	J	Peaking 3.3µH	AB
L1105	VP-1M5R6J1R2N	J	Peaking 5.6µH	
L1106	VP-1M3R3JR93N	J	Peaking 3.3µH	AB
L1107	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L1108	VP-1M2R7JR85N	J	Peaking 2.7µH	
L1109	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L1110	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L1111	VP-1M100J1R6N	J	Peaking 10µH	AC
L1401	VP-1M100J1R6N	J	Peaking 10µH	AC
L1601	VP-1M270J3R8N	J	Peaking 27µH	AC
L2501	VP-1M101J7R7N	J	Peaking 100µH	AC
L2502	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L2503	VP-1M101J7R7N	J	Peaking 100µH	AC

CONTROL

Ref. No.	Part No.	★	Description	Code
R1142	RVR-M7997TAZZ	J	1k (B) V-Level	AC

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C1101	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C1102	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1103	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1104	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C1105	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1106	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1107	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1108	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1109	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1110	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1111	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1112	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1113	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1114	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1115	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C1116	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C1117	VCKYCY1HB471K	J	470p 50V Ceramic	AA
C1118	VCKYCY1HB471K	J	470p 50V Ceramic	AA
C1119	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1120	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1121	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1122	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1123	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C1124	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1125	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1126	VCKYCY1HB221K	J	220p 50V Ceramic	AA
C1127	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1128	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1129	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1130	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1131	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1132	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1133	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C1134	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1135	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1136	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1137	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C1138	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C1139	VCKYCY1HB471K	J	470p 50V Ceramic	AA
C1140	VCKYCY1HB471K	J	470p 50V Ceramic	AA
C1141	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1142	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1143	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1144	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1145	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C1146	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1147	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1148	VCKYCY1HB221K	J	220p 50V Ceramic	AA
C1149	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1150	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1151	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1152	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1153	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1154	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1155	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1156	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1157	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1158	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1159	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C1160	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C1161	VCKYCY1HB471K	J	470p 50V Ceramic	AA
C1162	VCKYCY1HB471K	J	470p 50V Ceramic	AA
C1163	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1164	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1165	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1166	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1167	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C1168	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C1169	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C1170	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1171	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1172	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C1173	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1174	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1175	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1176	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C1177	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C1178	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1179	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C1180	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1181	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C1182	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1183	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1184	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C1185	VCCCCY1HH681J	J	680p 50V Ceramic	AB
C1187	VCCCCY1HH121J	J	120p 50V Ceramic	AA
C1188	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C1189	VCCCCY1HH180J	J	18p 50V Ceramic	AA
C1190	VCCCCY1HH151J	J	150p 50V Ceramic	AA
C1191	VCCCCY1HH121J	J	120p 50V Ceramic	AA
C1192	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1193	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C1194	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1195	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1196	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1197	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C1198	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C1199	VCEAPW0JN477M	J	470 6.3V Electrolytic	AE
C1200	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1201	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1202	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1203	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1204	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C1205	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1206	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1207	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C1208	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C1209	VCEAPF1HW105M	J	1.0 50V Electrolytic	AB
C1210	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C1211	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C1212	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C1213	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1215	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C1216	VCCCCY1HH101J	J	100p 50V Ceramic	AA

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Ref. No.	Part No.	★	Description	Code
C1217	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1218	VCEAPW1CN107M	J	100 16V Electrolytic	AE
C1219	VCEAPW0JN107M	J	100 6.3V Electrolytic	AE
C1220	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1222	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C1224	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C1225	VCCCCY1HH271J	J	270p 50V Ceramic	AA
C1226	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C1227	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1228	VCCCCY1HH121J	J	120p 50V Ceramic	AA
C1229	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C1231	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1232	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1233	VCE9PF1CW106M	J	10 16V Elect.(N.P)	AC
C1234	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1235	VCE9PF1CW106M	J	10 16V Elect.(N.P)	AC
C1309	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1310	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1311	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C1312	VCE9PF1AW106M	J	10 10V Elect.(N.P)	AE
C1313	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1316	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1317	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C1318	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1320	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1321	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C1322	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1323	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1325	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1401	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1402	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1403	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1404	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1405	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1406	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1407	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1408	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1409	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C1410	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1411	VCKYCY1CB104K	J	0.1 16V Ceramic	AB
C1412	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1413	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1414	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1415	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1417	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1418	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1419	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1420	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1421	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1422	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C1601	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1602	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1603	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1604	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1605	VCE9PF0JW226M	J	22 6.3V Elect.(N.P)	AD
C1606	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C1607	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C1608	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C1609	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1610	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1611	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C1612	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C1613	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C1614	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C1616	VCCCCY1HH181J	J	180p 50V Ceramic	AA
C1617	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C1618	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C1619	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1621	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1622	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1623	VCE9PF0JW226M	J	22 6.3V Elect.(N.P)	AD
C1624	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1625	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1626	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1627	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C1628	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1629	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1630	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1631	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1632	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1633	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C1634	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C1635	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1636	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1637	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1638	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1639	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1640	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1641	VCEAPF0JW227M	J	220 6.3V Electrolytic	
C1642	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1644	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1645	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1646	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1647	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C1648	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1649	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1650	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1653	VCEAPF0JW227M	J	220 6.3V Electrolytic	
C1654	VCEAPF0JW227M	J	220 6.3V Electrolytic	
C2501	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2502	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C2503	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2504	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C2508	VCKYCY1HB152K	J	1500p 50V Ceramic	AA
C2509	VCKYCY1HB561K	J	560p 50V Ceramic	AA
C2510	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C2511	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C2512	VCKYCY1HB332K	J	3300p 50V Ceramic	AA
C2513	VCKYCY1HB332K	J	3300p 50V Ceramic	AA
C2514	VCKYCY1HB332K	J	3300p 50V Ceramic	AA
C2515	VCKYCY1HB332K	J	3300p 50V Ceramic	AA
C2516	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C2517	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C2518	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2519	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C2520	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C2521	VCEAPF1HW335M	J	3.3 50V Electrolytic	AB
C2522	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2523	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C2524	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C2525	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C2526	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C2527	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2528	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C2529	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C2530	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C2531	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C2532	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C2533	VCCCCY1HH560J	J	56p 50V Ceramic	AA
C2534	VCCCCY1HH5R0C	J	5.0p 50V Ceramic	AA
C2535	VCCCCY1HH5R0C	J	5.0p 50V Ceramic	AA
C2536	VCEAPW0JN477M	J	470 6.3V Electrolytic	AE
C2537	RC-KZ1025CEZZ	J	1.0 50V Ceramic	AB
C2538	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C2539	VCKYTV1CB105K	J	1.0 16V Ceramic	AC
C2540	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2541	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C2542	VCKYCY1HB561K	J	560p 50V Ceramic	AA
C2543	VCKYCY1HB152K	J	1500p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R1103	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1104	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1105	VRS-TW2ED4R7J	J	4.7 1/4W Metal Oxide	AA
R1106	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1108	VRS-CA1JF102J	J	1.0k 1/16W Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R1109	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1110	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1111	VRS-CA1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1114	VRS-TX2HF680J	J	68 1/2W Metal Oxide	AA
R1115	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1116	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1117	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1118	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1122	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1123	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1124	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1125	VRS-TV1JD221J	J	220 1/16W Metal Oxide	AA
R1126	VRS-TV1JD221J	J	220 1/16W Metal Oxide	AA
R1127	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1128	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1129	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1130	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1131	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R1132	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1133	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R1134	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1135	VRS-TW2ED4R7J	J	4.7 1/4W Metal Oxide	AA
R1136	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1138	VRS-CA1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1139	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1140	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1141	VRS-CA1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1143	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1144	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R1145	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1146	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1147	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R1148	VRS-TX2HF680J	J	68 1/2W Metal Oxide	AA
R1149	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1150	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1152	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1153	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1154	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1155	VRS-TV1JD221J	J	220 1/16W Metal Oxide	AA
R1156	VRS-TV1JD221J	J	220 1/16W Metal Oxide	AA
R1157	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1158	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1159	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1160	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1161	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R1162	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1163	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1164	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1165	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1166	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1167	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1168	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R1171	VRS-TW2ED4R7J	J	4.7 1/4W Metal Oxide	AA
R1172	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1173	VRS-TQ2BD102J	J	1.0k 1/8W Metal Oxide	AA
R1174	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1176	VRS-CA1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1178	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1179	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1180	VRS-CA1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1182	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1183	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R1184	VRS-TX2HF680J	J	68 1/2W Metal Oxide	AA
R1185	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1186	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1187	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1188	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1189	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1191	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1192	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1193	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1194	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R1195	VRS-TV1JD221J	J	220 1/16W Metal Oxide	AA
R1196	VRS-TV1JD221J	J	220 1/16W Metal Oxide	AA
R1197	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1198	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1199	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1200	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1201	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R1202	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1203	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1204	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1205	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1206	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1207	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1208	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R1209	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R1210	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1211	VRS-TV1JD104J	J	100k 1/16W Metal Oxide	AA
R1212	VRS-TX2HF680J	J	68 1/2W Metal Oxide	AA
R1213	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R1214	VRS-TX2HF561J	J	560 1/2W Metal Oxide	AA
R1215	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R1216	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1217	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R1218	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1219	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1220	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R1222	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R1223	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R1224	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R1225	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1226	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1227	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1228	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1229	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1230	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1231	VRS-TX2HF680J	J	68 1/2W Metal Oxide	AA
R1232	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1233	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1234	VRS-TX2HF680J	J	68 1/2W Metal Oxide	AA
R1235	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R1236	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R1237	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1238	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1239	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1240	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1241	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1242	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R1243	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R1244	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1245	VRS-CY1JF181J	J	180 1/16W Metal Oxide	AA
R1246	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1247	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1248	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1249	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1250	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R1251	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1252	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1253	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1254	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1256	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1257	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1258	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1259	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1260	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1261	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R1262	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1263	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1264	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1265	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1266	VRS-TX2HF471J	J	470 1/2W Metal Oxide	AB
R1267	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1268	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1269	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1270	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA

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Ref. No.	Part No.	★		Description	Code
R1272	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1273	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1274	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1275	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1277	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1278	VRS-CY1JF223J	J	22k	1/16W Metal Oxide	AA
R1281	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1282	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1283	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1284	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R1285	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R1286	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R1287	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R1288	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R1289	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R1290	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1291	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1292	VRS-CY1JF163J	J	16k	1/16W Metal Oxide	AA
R1293	VRS-CY1JF751J	J	750	1/16W Metal Oxide	AA
R1294	VRS-CY1JF561J	J	560	1/16W Metal Oxide	AA
R1295	VRS-CY1JF562J	J	5.6k	1/16W Metal Oxide	AA
R1296	VRS-CY1JF223J	J	22k	1/16W Metal Oxide	AA
R1297	VRS-CY1JF123J	J	12k	1/16W Metal Oxide	AA
R1298	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1302	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1303	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1304	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1309	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1310	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1311	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1312	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1313	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1314	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1315	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1316	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1317	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1319	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1320	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1321	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1322	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1323	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1324	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1325	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1326	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1327	VRS-CY1JF682J	J	6.8k	1/16W Metal Oxide	AA
R1328	VRS-TW2ED221J	J	220	1/4W Metal Oxide	AA
R1329	VRS-TW2ED221J	J	220	1/4W Metal Oxide	AA
R1330	VRS-TV1JD102J	J	1.0k	1/16W Metal Oxide	AA
R1331	VRS-CA1JF101J	J	100	1/16W Metal Oxide	AA
R1334	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1335	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1336	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1337	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1338	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1339	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1340	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1341	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1342	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1343	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1344	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1345	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1346	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1347	VRS-CY1JF473J	J	47k	1/16W Metal Oxide	AA
R1348	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1405	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1406	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1407	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1408	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1409	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1411	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1412	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1413	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1414	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1415	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1418	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1421	VRS-CA1JF101J	J	100	1/16W Metal Oxide	AA
R1422	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1423	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1424	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1425	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1429	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1430	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1431	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1432	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1433	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1434	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1435	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1436	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1437	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1438	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1439	VRS-CY1JF220J	J	22	1/16W Metal Oxide	AA
R1441	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1442	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1443	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1444	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1445	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1446	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1455	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1456	VRS-CY1JF101J	J	100	1/16W Metal Oxide	AA
R1457	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1458	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1459	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1460	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1461	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1462	VRS-CY1JF100J	J	10	1/16W Metal Oxide	AA
R1463	VRS-CY1JF333J	J	33k	1/16W Metal Oxide	AA
R1464	VRS-CY1JF333J	J	33k	1/16W Metal Oxide	AA
R1465	VRS-CY1JF333J	J	33k	1/16W Metal Oxide	AA
R1602	VRS-CY1JF202J	J	2.0k	1/16W Metal Oxide	AA
R1603	VRS-CY1JF202J	J	2.0k	1/16W Metal Oxide	AA
R1604	VRS-CY1JF273J	J	27k	1/16W Metal Oxide	AA
R1605	VRS-CY1JF332J	J	3.3k	1/16W Metal Oxide	AA
R1607	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1609	VRS-CY1JF681J	J	680	1/16W Metal Oxide	AA
R1611	VRS-CY1JF223J	J	22k	1/16W Metal Oxide	AA
R1613	VRS-CY1JF132J	J	1.3k	1/16W Metal Oxide	AA
R1616	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1617	VRS-CY1JF103J	J	10k	1/16W Metal Oxide	AA
R1618	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1619	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1620	VRS-CY1JF223J	J	22k	1/16W Metal Oxide	AA
R1621	VRS-CY1JF223J	J	22k	1/16W Metal Oxide	AA
R1622	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1623	VRS-CY1JF102F	J	1.0k	1/16W Metal Oxide	AA
R1624	VRS-CY1JF152F	J	1.5k	1/16W Metal Oxide	AA
R1625	VRS-CY1JF683F	J	68k	1/16W Metal Oxide	AA
R1626	VRS-CY1JF102J	J	1.0k	1/16W Metal Oxide	AA
R1627	VRS-CY1JF102F	J	1.0k	1/16W Metal Oxide	AA
R1628	VRS-CY1JF681F	J	680	1/16W Metal Oxide	AA
R1629	VRS-CY1JF681F	J	680	1/16W Metal Oxide	AA
R1630	VRS-CY1JF102F	J	1.0k	1/16W Metal Oxide	AA
R1634	VRS-CY1JF333J	J	33k	1/16W Metal Oxide	AA
R1635	VRS-CY1JF333J	J	33k	1/16W Metal Oxide	AA
R1636	VRS-CY1JF333J	J	33k	1/16W Metal Oxide	AA
R1640	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1641	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1642	VRS-CY1JF221J	J	220	1/16W Metal Oxide	AA
R1643	VRS-CY1JF333J	J	33k	1/16W Metal Oxide	AA
R1645	VRS-CY1JF103F	J	10k	1/16W Metal Oxide	AA
R1648	VRS-CY1JF473F	J	47k	1/16W Metal Oxide	AA
R1649	VRS-CY1JF333F	J	33k	1/16W Metal Oxide	AA
R1650	VRS-CY1JF473F	J	47k	1/16W Metal Oxide	AA
R1651	VRS-CY1JF103F	J	10k	1/16W Metal Oxide	AA
R1652	VRS-CY1JF000J	J	0	1/16W Metal Oxide	AA
R1653	VRS-CY1JF473F	J	47k	1/16W Metal Oxide	AA
R1654	VRS-CY1JF103F	J	10k	1/16W Metal Oxide	AA

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AV UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R1655	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1656	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1661	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R1664	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1665	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1666	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R1667	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R1668	VRS-CB1JF332J	J	3.3k 1/16W Metal Oxide	AC
R1669	VRS-CB1JF332J	J	3.3k 1/16W Metal Oxide	AC
R1670	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R1671	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1672	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R1673	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1674	VRS-CY1JF471F	J	470 1/16W Metal Oxide	AA
R1675	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1683	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R1684	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R1685	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R1990	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R2501	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2502	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2503	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2505	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2506	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2507	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R2508	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R2509	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R2510	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R2511	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2512	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2513	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2514	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2515	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2516	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2517	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2518	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2519	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2520	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2521	VRS-CA1JF000J	J	0 1/16W Metal Oxide	AB
R2522	VRS-CA1JF000J	J	0 1/16W Metal Oxide	AB
R2523	VRS-CY1JF105J	J	1.0M 1/16W Metal Oxide	AA
R2524	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R2525	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2526	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2527	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2528	VRS-CA1JF000J	J	0 1/16W Metal Oxide	AB
R2531	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R2546	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2547	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2548	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2554	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2558	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB1101	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1102	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1103	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1104	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1105	RBLN-0077TAZZ	J	Ferrite Bead	AB
FB1106	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1107	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1108	RBLN-0077TAZZ	J	Ferrite Bead	AB
FB1109	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1110	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1111	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1112	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1113	RBLN-0077TAZZ	J	Ferrite Bead	AB
FB1114	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1115	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1116	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1117	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1118	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB1119	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB1120	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB1123	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1124	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1130	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1131	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1132	RBLN-0062TAZZ	J	Ferrite Bead	AB
FB1401	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB1402	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB1601	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB1602	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB1604	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB1605	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB1608	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB1609	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB1610	RBLN-0063TAZZ	J	Ferrite Bead	AB
FB1611	RBLN-0063TAZZ	J	Ferrite Bead	AB
FB1612	RBLN-0063TAZZ	J	Ferrite Bead	AB
FB1613	RBLN-0063TAZZ	J	Ferrite Bead	AB
FB1616	RBLN-0063TAZZ	J	Ferrite Bead	AB
FB1617	RBLN-0063TAZZ	J	Ferrite Bead	AB
FB1619	RBLN-0063TAZZ	J	Ferrite Bead	AB
FB2501	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB2502	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB2503	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB2504	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB2505	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB2506	RBLN-0051TAZZ	J	Ferrite Bead	AC
FB2507	RBLN-0051TAZZ	J	Ferrite Bead	AC
J1101	QTANJ0657CEZZ	J	AV Output/Input-3	AH
J1102	QSOCD0430CEZZ	J	AV Output(S-Video)	AE
P1301	QPLGN0428FJZZ	J	Plug 18-Pin	AD
P1401	QPLGN0541FJZZ	J	Plug 4-Pin	
P2501	QPLGN0062CEZZ	J	Plug 12-Pin	
P2503	QPLGN0578GEZZ	J	Plug 5-Pin	AB
SC1101	QSOCZ2160CEZZ	J	Socket Inpit1	AE
SC1102	QSOCZ2161CEZZ	J	Socket Input2/3	AH
SC1401	QSOCN0550FJZZ	J	Socket 30-Pin	
SC1402	QSOCN0490FJZZ	J	Socket 30-Pin	AF
	QCNW-6073CEZZ	J	Connecting Cord	AP
	QCNW-6079CEZZ	J	Connecting Cord	AL

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SR UNIT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q6005	VSDTC314TK/-1	J	DTC314TK	AC
Q6006	VSDTC314TK/-1	J	DTC314TK	AC
Q6007	VS2SA1530AR-1	J	2SA1530AR	AB
Q6008	VS2SC3928AR-1	J	2SC3928AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D6000	VHDMA157A//-1	J	Diode	AC
D6001	VHDMA157A//-1	J	Diode	AC
D6002	RH-EX1264CEZZ	J	Zener Diode	AB
D6003	RH-EX1264CEZZ	J	Zener Diode	AB
D6004	VHDMA157A//-1	J	Diode	AC
D6006	VHDMA157A//-1	J	Diode	AC
D6007	VHDMA157A//-1	J	Diode	AC
D6011	RH-EX1264CEZZ	J	Zener Diode	AB
D6012	RH-EX1264CEZZ	J	Zener Diode	AB
D6013	VHDMA157A//-1	J	Diode	AC
D6014	VHDMA157A//-1	J	Diode	AC
D6015	RH-EX1232CEZZ	J	Zener Diode	AB

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C6000	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C6001	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C6002	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C6003	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C6004	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description			Code
R6000	VRS-CY1JF560J	J	56	1/16W	Metal Oxide	AA
R6001	VRS-CY1JF560J	J	56	1/16W	Metal Oxide	AA
R6002	VRS-CY1JF560J	J	56	1/16W	Metal Oxide	AA
R6003	VRS-CY1JF473J	J	47k	1/16W	Metal Oxide	AA
R6004	VRS-CY1JF560J	J	56	1/16W	Metal Oxide	AA
R6005	VRS-CY1JF560J	J	56	1/16W	Metal Oxide	AA
R6006	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6007	VRS-CY1JF560J	J	56	1/16W	Metal Oxide	AA
R6011	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R6012	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R6013	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R6014	VRS-TQ2BD000J	J	0	1/8W	Metal Oxide	AA
R6020	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R6030	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R6031	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R6032	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6033	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R6036	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R6037	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R6038	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R6039	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R6040	VRS-CY1JF105J	J	1.0M	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB6000	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB6001	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB6002	RBLN-0060TAZZ	J	Ferrite Bead	AB
P6000	QPLGN1474TAZZ	J	Plug 14-Pin	
P6001	QPLGN0480GEZZ	J	Plug 14-Pin	AB
SC6000	QSOCZ2015CEZZ	J	Socket	AG
	QCNW-A280WJZZ	J	Connecting Cord	AH

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LED UNIT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q3001	VS2SC3928AR-1	J	2SC3928AR	AB
Q3002	VS2SC3928AR-1	J	2SC3928AR	AB
Q3003	VSDTC144EE/-1	J	DTC144EE	AA
Q3004	VSDTC144EE/-1	J	DTC144EE	AA
Q3005	VSDTC144EE/-1	J	DTC144EE	AA

DIODE

Ref. No.	Part No.	★	Description	Code
D3001	RH-PX0421CEZZ	J	LED	AD

RESISTORS

Ref. No.	Part No.	★	Description			Code
R3001	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R3002	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R3003	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R3004	VRS-CY1JF182J	J	1.8k	1/16W	Metal Oxide	AA
R3005	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3006	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3007	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3008	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3010	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R3011	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R3012	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P3001	QPLGN0564TAZZ	J	Plug 5-Pin	AC
	QCNW-6076CEZZ	J	Connecting Cord	AG

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DIGITAL UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC4101	VHiMB8346BV-1	J	MB88346BPFV	AN
IC4102	VHiMB8346BV-1	J	MB88346BPFV	AN
IC4103	VHiNJM2060V-1	J	NJM2060V	AF
IC4104	VHiNJM2060V-1	J	NJM2060V	AF
IC4105	VHiNJM2060V-1	J	NJM2060V	AF
IC4106	VHiNJM2060V-1	J	NJM2060V	AF
IC4107	VHiNJM2060V-1	J	NJM2060V	AF
IC4108	VHiNJM2060V-1	J	NJM2060V	AF
IC4109	VHiLM6134BX-1	J	LM6134BX	
IC4110	VHiLM6134BX-1	J	LM6134BX	
IC4111	VHiNJM4580V-1	J	NJM4580V	AE
IC4112	VHiPQ3DZ13U-1	J	PQ3DZ13U	
IC4513	VHiTC74AC8T-1	J	TC74AC08FT	AF
IC4514	VHiTC74AC8T-1	J	TC74AC08FT	AF
IC4515	VHiPQ1CZ21H-1	J	PQ1CZ21H2ZP	
IC4516	VHiPQ1CZ21H-1	J	PQ1CZ21H2ZP	
IC4551	RH-iX3493CEZZ	J	EPF10K100EQC	
IC4554	RH-iXA302WJN1	J	I.C.	
IC4555	VHiLT1615ES-1	J	LT1615ES5	
IC4556	VHiPQ05DZ1U-1	J	PQ05DZ1U	
IC4557	VHiPQ1CZ21H-1	J	PQ1CZ21H2ZP	
IC4558	VHiLT1617ES-1	J	LT1617ES5	
IC4559	VHiLTC1872+-1	J	LTC1872ES6	
IC4560	VSSi4884DY+-1	J	Si4884DY-T1	
IC4701	RH-iX3493CEZZ	J	EPF10K100EQC	
IC4702	RH-iX3636CEZZ	J	MS81V10160-12	
IC4704	RH-iXA304WJN1	J	I.C.	
IC4901	RH-iX3493CEZZ	J	EPF10K100EQC	
IC4902	RH-iX3636CEZZ	J	MS81V10160-12	
IC4903	VHiTC74AC8T-1	J	TC74AC08FT	AF
IC4904	RH-iXA303WJN1	J	I.C.	

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DIGITAL UNIT(Continued)

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q4101	VS2SD1664Q/-1	J	2SD1664Q	AC
Q4103	VS2SC3928AR-1	J	2SC3928AR	AB
Q4105	VSDTC114YE/-1	J	DTC114YE	AB
Q4551	VS2SK1826++-1	J	2SK1826	AC
Q4553	VS2SK1826++-1	J	2SK1826	AC
Q4554	VS2SA1530AR-1	J	2SA1530AR	AB
Q4555	VS2SC3928AR-1	J	2SC3928AR	AB
Q4556	VS2SC3928AR-1	J	2SC3928AR	AB
Q4557	VSTP0610T++-1	J	TP0610T	
Q4650	VS2SA1530AR-1	J	2SA1530AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D4102	VHDDAN222//-1	J	Diode	AA
D4103	VHDSC8024//-1	J	Diode	AC
D4104	VHDSC8024//-1	J	Diode	AC
D4106	VHDHSU119//-1	J	Diode	AB
D4501	VHDSFPB54//2E	J	Diode	AC
D4502	VHDSFPB54//2E	J	Diode	AC
D4551	VHDHSU119//-1	J	Diode	AB
D4552	VHDHSU119//-1	J	Diode	AB
D4556	VHDSFPB54//2E	J	Diode	AC
D4557	VHD1SS355//-1	J	Diode	AB
D4558	VHDHSU119//-1	J	Diode	AB
D4559	VHDSFPB74//2E	J	Diode	AD
D4560	VHDSFPB54//2E	J	Diode	AC
D4561	VHDSFPB74//2E	J	Diode	AD
D4562	RH-EX1274CEZZ	J	Zener Diode	AB
D4563	VHDHSU119//-1	J	Diode	AB
D4564	VHDHSU119//-1	J	Diode	AB

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL4503	RFiLNA002WJZZ	J	Filter	
FL4505	RFiLNA002WJZZ	J	Filter	
FL4506	RFiLNA002WJZZ	J	Filter	
FL4553	RFiLNA002WJZZ	J	Filter	
FL4554	RFiLNA002WJZZ	J	Filter	
L4501	RCiLP0402CEZZ	J	Coil	
L4502	RCiLP0402CEZZ	J	Coil	
L4503	RCiLP0343TAZZ	J	Coil	AD
L4504	RCiLP0343TAZZ	J	Coil	AD
L4510	RCiLP0343TAZZ	J	Coil	AD
L4551	VPBWM100KR50N	J	Peaking 10µH	AC
L4552	RCiLP0402CEZZ	J	Coil	
L4553	VPBWM220K1R2N	J	Peaking 22µH	AC
L4554	VPBWM220K1R2N	J	Peaking 22µH	AC
L4555	RCiLP0323TAZZ	J	Coil	AD
L4556	VPD9M4R7J1R4N	J	Peaking 4.7µH	AB
L4557	VPD9M4R7J1R4N	J	Peaking 4.7µH	AB
L4558	RCiLP0343TAZZ	J	Coil	AD
L4601	RCiLP0343TAZZ	J	Coil	AD
L4602	RCiLP0343TAZZ	J	Coil	AD

CONTROL

Ref. No.	Part No.	★	Description	Code
R4648	RVR-M0116CEZZ	J	6.8k (B)	

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C4101	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4102	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4104	VCEASK0JN476M	J	47	6.3V	Electrolytic	
C4105	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4106	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4107	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4108	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4109	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4110	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4111	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4112	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4113	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4114	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4115	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4116	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4117	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4118	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4119	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4120	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4121	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4122	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4123	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4124	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4125	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4126	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4127	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4128	VCKYTV1CB105K	J	1.0	16V	Ceramic	AC
C4129	VCCCCY1HH680J	J	68p	50V	Ceramic	AA
C4130	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4132	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4133	VCEASM1CN107M	J	100	16V	Electrolytic	
C4135	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4137	RC-KZ0070TAZZ	J	4.7	16V	Ceramic	AD
C4138	RC-KZ0070TAZZ	J	4.7	16V	Ceramic	AD
C4139	VCEASK0JN107M	J	100	6.3V	Electrolytic	
C4140	VCEASK1EN107M	J	100	25V	Electrolytic	
C4501	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4502	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4503	VCAAPF1DJ226M	J	22	20V	Electrolytic	
C4507	VCAAPF0JJ107M	J	100	6.3V	Electrolytic	
C4516	VCAAPF0JJ107M	J	100	6.3V	Electrolytic	
C4517	VCCCCY1HH681J	J	680p	50V	Ceramic	AB
C4518	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4519	VCCCCY1HH681J	J	680p	50V	Ceramic	AB
C4522	VCEASM0JN476M	J	47	6.3V	Electrolytic	
C4523	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4524	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4525	VCAAPF1DJ226M	J	22	20V	Electrolytic	
C4526	VCEASK1CN227M	J	220	16V	Electrolytic	
C4527	VCEASK1CN227M	J	220	16V	Electrolytic	
C4528	VCEASK1CN477M	J	470	16V	Electrolytic	
C4529	VCEASK1CN477M	J	470	16V	Electrolytic	
C4530	VCEASK1CN477M	J	470	16V	Electrolytic	
C4531	VCEASK1CN477M	J	470	16V	Electrolytic	
C4532	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4542	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C4545	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C4546	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C4547	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C4548	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C4549	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C4550	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C4551	VCEASK0JN227M	J	220	6.3V	Electrolytic	
C4552	VCAAPF0JJ227M	J	220	6.3V	Electrolytic	
C4553	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4554	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4555	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4556	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4557	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4558	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4559	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4560	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4561	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4562	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4563	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4564	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4565	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4566	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4567	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4568	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4569	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4570	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4571	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4572	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4573	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4574	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4575	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA

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Ref. No.	Part No.	★	Description	Code
C4576	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4577	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C4578	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4584	RC-KZ0053TAZZ	J	10 10V Ceramic	AD
C4585	RC-KZ0070TAZZ	J	4.7 16V Ceramic	AD
C4588	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4589	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4590	VCEASK1HN106M	J	10 50V Electrolytic	
C4591	VCEASK0JN476M	J	47 6.3V Electrolytic	
C4592	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4593	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4594	VCAAPF1DJ226M	J	22 20V Electrolytic	
C4595	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4596	RC-CZ0013TAZZ	J	1.0 50V Ceramic	
C4597	RC-KZ0070TAZZ	J	4.7 16V Ceramic	AD
C4598	VCEASM1CN107M	J	100 16V Electrolytic	
C4599	VCEASM0JN107M	J	100 6.3V Electrolytic	
C4602	VCAAPF1AJ157M	J	150 10V Electrolytic	
C4603	VCEASK1CN227M	J	220 16V Electrolytic	
C4604	VCAAPF1DJ226M	J	22 20V Electrolytic	
C4606	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C4607	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C4608	RC-KZ0053TAZZ	J	10 10V Ceramic	AD
C4609	RC-KZ0070TAZZ	J	4.7 16V Ceramic	AD
C4610	RC-KZ0070TAZZ	J	4.7 16V Ceramic	AD
C4611	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C4613	VCCCCY1HH5R0C	J	5.0p 50V Ceramic	AA
C4614	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C4615	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C4616	VCEASM1CN107M	J	100 16V Electrolytic	
C4617	VCEASK1EN476M	J	47 25V Electrolytic	
C4618	RC-CZ0013TAZZ	J	1.0 50V Ceramic	
C4619	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C4620	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C4621	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C4622	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C4640	VCAAPF1CJ396M	J	39 16V Electrolytic	
C4641	VCEASK1CN477M	J	470 16V Electrolytic	
C4655	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4656	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4657	VCCCCY1HH391J	J	390p 50V Ceramic	AA
C4658	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4701	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4702	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4703	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4704	VCEASK0JN227M	J	220 6.3V Electrolytic	
C4705	VCAAPF0JJ227M	J	220 6.3V Electrolytic	
C4706	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4707	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4708	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4709	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4710	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4711	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4712	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4714	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4715	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4716	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4717	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4718	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4719	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4720	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4721	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4722	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4723	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4724	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4725	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4726	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4727	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4728	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4729	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4730	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
C4731	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4732	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4733	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4734	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4735	VCEASM0JN107M	J	100 6.3V Electrolytic	
C4736	RC-KZ0074TAZZ	J	10 6.3V Ceramic	AF
C4740	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4741	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4742	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4743	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4744	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4745	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4746	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4747	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4748	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4749	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4750	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4901	RC-KZ0074TAZZ	J	10 6.3V Ceramic	AF
C4902	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4903	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4904	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4905	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4906	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4907	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4908	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4909	VCAAPF0JJ227M	J	220 6.3V Electrolytic	
C4910	VCEASK0JN227M	J	220 6.3V Electrolytic	
C4911	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4912	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4913	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4914	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4915	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4916	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4917	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4918	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4919	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4920	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4921	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4922	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4923	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4924	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4925	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4926	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4927	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4928	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4929	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4930	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4931	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4932	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4933	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4934	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4935	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4936	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4937	VCEASM0JN107M	J	100 6.3V Electrolytic	
C4938	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4939	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4940	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4941	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4942	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4946	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4947	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4948	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4949	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4950	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4951	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4952	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4953	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4954	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R4110	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4111	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R4112	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R4113	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R4114	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R4115	VRS-CY1JF562F	J	5.6k 1/16W Metal Oxide	AA
R4116	VRS-CY1JF562F	J	5.6k 1/16W Metal Oxide	AA
R4117	VRS-CY1JF562F	J	5.6k 1/16W Metal Oxide	AA
R4118	VRS-CY1JF392F	J	3.9k 1/16W Metal Oxide	AA
R4119	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4120	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4121	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4122	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4123	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4124	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4125	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4126	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4127	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4128	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4129	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R4130	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4131	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4132	VRS-CY1JF163F	J	16k 1/16W Metal Oxide	AA
R4133	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4134	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4135	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R4136	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4137	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4138	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4139	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R4140	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4141	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4142	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA
R4147	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4148	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4149	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4150	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4151	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA
R4152	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA
R4153	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4154	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA
R4155	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4156	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4157	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4158	VRS-CY1JF432F	J	4.3k 1/16W Metal Oxide	AA
R4159	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4160	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4161	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4162	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4164	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R4165	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R4166	VRS-CY1JF473F	J	47k 1/16W Metal Oxide	AA
R4167	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R4168	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4169	VRS-CY1JF562F	J	5.6k 1/16W Metal Oxide	AA
R4170	VRS-CY1JF562F	J	5.6k 1/16W Metal Oxide	AA
R4171	VRS-CY1JF562F	J	5.6k 1/16W Metal Oxide	AA
R4172	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4173	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4174	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4175	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4176	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4177	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4178	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4179	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4180	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4181	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4182	VRS-CY1JF133F	J	13k 1/16W Metal Oxide	AA
R4183	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4184	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4185	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA
R4186	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4187	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4188	VRS-CY1JF223F	J	22k 1/16W Metal Oxide	AA
R4189	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4190	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4191	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4192	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4193	VRS-CY1JF113F	J	11k 1/16W Metal Oxide	AA
R4194	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R4195	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4200	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4201	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4202	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4203	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4204	VRS-CY1JF133F	J	13k 1/16W Metal Oxide	AA
R4205	VRS-CY1JF183F	J	18k 1/16W Metal Oxide	AA
R4206	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4207	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA
R4208	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4209	VRS-CY1JF183F	J	18k 1/16W Metal Oxide	AA
R4210	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4211	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4212	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4213	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4214	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4215	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R4216	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4217	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4218	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4219	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4223	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4232	VRS-TW2ED330J	J	33 1/4W Metal Oxide	AA
R4234	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4235	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA
R4236	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4237	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4238	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4244	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4245	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4246	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4247	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4248	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4249	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4250	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4251	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4252	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4253	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4254	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4255	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4256	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4257	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4258	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4259	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4260	VRS-CY1JF682F	J	6.8k 1/16W Metal Oxide	AA
R4261	VRS-CY1JF243F	J	24k 1/16W Metal Oxide	AA
R4262	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4263	VRS-TW2ED331J	J	330 1/4W Metal Oxide	AA
R4501	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4502	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4503	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4504	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4505	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4506	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4507	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4508	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4509	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4510	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4511	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4512	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4513	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R4514	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R4518	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R4519	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R4521	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4522	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R4523	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4524	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R4552	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4555	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4565	VRS-CB1JF102J	J	1.0k 1/16W Metal Oxide	AA

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DIGITAL UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R4570	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4576	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4579	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4581	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4582	VRS-CB1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4584	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4585	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4586	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4587	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4590	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R4593	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4602	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4607	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R4611	VRS-TV1JD330J	J	33 1/16W Metal Oxide	AA
R4613	VRS-CA1JF330J	J	33 1/16W Metal Oxide	AB
R4614	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4618	VRS-CA1JF330J	J	33 1/16W Metal Oxide	AB
R4620	VRS-CA1JF330J	J	33 1/16W Metal Oxide	AB
R4624	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R4627	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4631	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R4632	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4633	VRS-CY1JF154F	J	150k 1/16W Metal Oxide	AA
R4634	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R4635	RR-NZ0027TAZZ	J	0.056 1/4W Metal Oxide	
R4636	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4637	VRS-CY1JF623F	J	62k 1/16W Metal Oxide	AA
R4645	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4646	VRS-CY1JF105F	J	1.0M 1/16W Metal Oxide	AA
R4647	VRS-CY1JF105F	J	1.0M 1/16W Metal Oxide	AA
R4649	VRS-CY1JF105F	J	1.0M 1/16W Metal Oxide	AA
R4650	VRS-TW2ED270J	J	27 1/4W Metal Oxide	AA
R4651	VRS-TV1JD223J	J	22k 1/16W Metal Oxide	AA
R4652	VRS-TX2HF472J	J	4.7k 1/2W Metal Oxide	AA
R4653	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R4654	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4655	VRS-TX2HF682J	J	6.8k 1/2W Metal Oxide	AA
R4656	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4657	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4658	VRS-TW2ED821J	J	820 1/4W Metal Oxide	AA
R4659	VRS-TV1JD222J	J	2.2k 1/16W Metal Oxide	AA
R4660	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4661	VRS-CY1JF220J	J	22 1/16W Metal Oxide	AA
R4676	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4677	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4678	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4679	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4680	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4681	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4682	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4683	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4684	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4685	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4686	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4687	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4703	VRS-CF1JP220J	J	22 1/16W Metal Oxide	
R4704	VRS-CF1JP220J	J	22 1/16W Metal Oxide	
R4707	VRS-CF1JP220J	J	22 1/16W Metal Oxide	
R4709	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4711	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4712	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4713	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4715	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4717	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4718	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4719	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4726	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4727	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4732	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4733	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4734	VRS-CB1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4738	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4739	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4902	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4903	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4904	VRS-CF1JP220J	J	22 1/16W Metal Oxide	
R4905	VRS-CF1JP220J	J	22 1/16W Metal Oxide	
R4908	VRS-CF1JP220J	J	22 1/16W Metal Oxide	
R4909	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4911	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4912	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4914	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4917	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4919	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4925	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4926	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R4930	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4931	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4933	VRS-CB1JF330J	J	33 1/16W Metal Oxide	AC
R4934	VRS-CB1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4935	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4936	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4956	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4965	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB4500	RBLN-A005WJZZ	J	Frrite Bead	
FB4505	RBLN-0252TAZZ	J	Frrite Bead	
FB4507	RBLN-0252TAZZ	J	Frrite Bead	
FB4509	RBLN-A005WJZZ	J	Frrite Bead	
FB4511	RBLN-0252TAZZ	J	Frrite Bead	
FB4601	RBLN-0252TAZZ	J	Frrite Bead	
FB4906	RBLN-A005WJZZ	J	Frrite Bead	
FB4907	RBLN-A005WJZZ	J	Frrite Bead	
FB4909	RBLN-A005WJZZ	J	Frrite Bead	
FB4910	RBLN-A005WJZZ	J	Frrite Bead	
FB4911	RBLN-A005WJZZ	J	Frrite Bead	
P4101	QPLGN0177FJZZ	J	Plug 5-Pin(PC)	AD
P4506	QLUGHA001WJZZ	J	Lug	
P4507	QLUGHA001WJZZ	J	Lug	
P4551	QPLGN0060CEZZ	J	Plug 10-Pin	
P4701	QPLGN1074TAZZ	J	Plug 10-Pin	
P4901	QCNCM0054CEZZ	J	Plug 80-Pin	AT
P4902	QPLGN1074TAZZ	J	Plug 10-Pin	
SC4101	QSOCN0488FJZZ	J	Socket 22-Pin(MC)	
SC4501	QSOCN0687FJZZ	J	Socket 50-Pin	
SC4502	QSOCN0688FJZZ	J	Socket 53-Pin	
SC4503	QSOCN0687FJZZ	J	Socket 50-Pin	
SC4504	QSOCN0688FJZZ	J	Socket 53-Pin	
SC4551	QSOCN0684FJZZ	J	Socket 30-Pin(GD)	
	QCNW-A184WJZZ	J	Connecting Cord	AG
	PSPAZA039WJZZ	J	Spacer	

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DISPLAY MAIN UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC2001	RH-iXA174WJN1	J	I.C.	
IC2002	VHiPST529DM-1	J	PST529DMT	AE
IC2003	VHiBR24C08F-1	J	BR24C08F-E2	AF
IC2005	VHiNJM2904M-1	J	NJM2904M	AE
IC2006	VHiNJM2904M-1	J	NJM2904M	AE
IC2007	VHiTC4066BF1E	J	TC4066BF	AF
IC2101	VHiAN8005M/-1	J	AN8005M	AD
IC2102	VHiPQ20WZ11-1	J	PQ20WZ1U	AG
IC2104	VHiPQ1CZ21H-1	J	PQ1CZ21H2ZP	
IC2105	VHiPQ1CZ21H-1	J	PQ1CZ21H2ZP	
IC2201	VHiSii861++-1	J	I.C.	
IC2202	VHiBR24C32F-1	J	BR24C32F-E2	
IC2203	VHiHN24128F-1	J	I.C.	
IC2204	VHiBR24C01F-1	J	BR24C01AF-WE2	
IC2205	VHiTC7W34U/-1	J	TC7W34FU	

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q2003	VS2SC3928AR-1	J	2SC3928AR	AB
Q2004	VSNDS355AN/-1	J	NDS355AN	AE
Q2005	VSNDS355AN/-1	J	NDS355AN	AE
Q2006	VS2SA1530AR-1	J	2SA1530AR	AB
Q2007	VSDTC114EE/-1	J	DTC114EE	AB
Q2008	VSDTA114EE/-1	J	DTA114EE	AB
Q2009	VSDTC114EE/-1	J	DTC114EE	AB
Q2013	VSDTC114EE/-1	J	DTC114EE	AB
Q2014	VSDTA114EE/-1	J	DTA114EE	AB
Q2015	VSDTC114EE/-1	J	DTC114EE	AB
Q2101	VSDTA114EE/-1	J	DTA114EE	AB
Q2102	VSDTC114EE/-1	J	DTC114EE	AB
Q2103	VSDTA114EE/-1	J	DTA114EE	AB
Q2104	VSDTC114EE/-1	J	DTC114EE	AB
Q2105	VS2SC3928AR-1	J	2SC3928AR	AB
Q2106	VS2SC3928AR-1	J	2SC3928AR	AB
Q2203	VSNDS355AN/-1	J	NDS355AN	AE
Q2204	VSNDS355AN/-1	J	NDS355AN	AE
Q2205	VSDTA114EE/-1	J	DTA114EE	AB
Q2206	VSDTC114EE/-1	J	DTC114EE	AB
Q2207	VS2SA1530AR-1	J	2SA1530AR	AB
Q2208	VSDTC114EE/-1	J	DTC114EE	AB
Q2209	VSDTC114EE/-1	J	DTC114EE	AB
Q2210	VS2SA1530AR-1	J	2SA1530AR	AB
Q2211	VSDTC114EE/-1	J	DTC114EE	AB
Q2212	VSDTA114EE/-1	J	DTA114EE	AB
Q2213	VSDTC114EE/-1	J	DTC114EE	AB
Q2214	VSDTA114EE/-1	J	DTA114EE	AB
Q2215	VSDTC114EE/-1	J	DTC114EE	AB
Q2216	VSDTA114EE/-1	J	DTA114EE	AB
D2001	RH-EX1249CEZZ	J	Zener Diode	AB
D2002	RH-EX1249CEZZ	J	Zener Diode	AB
D2003	RH-EX1249CEZZ	J	Zener Diode	AB
D2004	RH-EX1249CEZZ	J	Zener Diode	AB

DIODES AND THERMISTOR

Ref. No.	Part No.	★	Description	Code
D2101	VHDHSU119//-1	J	Diode	AB
D2103	VHDSFPB74//2E	J	Diode	AD
D2104	VHDSFPB74//2E	J	Diode	AD
D2201	VHDDA221///-1	J	Diode	AB
D2202	VHDDAN222//-1	J	Diode	AA
D2203	VHDDA221///-1	J	Diode	AB
D2204	VHDHSU119//-1	J	Diode	AB
D2205	RH-EX1249CEZZ	J	Zener Diode	AB
D2206	RH-EX1249CEZZ	J	Zener Diode	AB
D2207	RH-EX1249CEZZ	J	Zener Diode	AB
D2208	RH-EX1249CEZZ	J	Zener Diode	AB
D2210	VHDHSU119//-1	J	Diode	AB
TH2001	VHHM1103J03-1	J	Thermistor	

PACKAGED CIRCUIT

Ref. No.	Part No.	★	Description	Code
X2201	RCRSZ0093CEZZ	J	Crystal	

FILTER AND COILS

Ref. No.	Part No.	★	Description	Code
CF2001	RFiLZ0169TAZZ	J	Filter	
L2103	RCiLP0422CEZZ	J	Coil	
L2104	RCiLP0422CEZZ	J	Coil	

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C2001	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C2002	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C2003	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2004	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C2006	VCEASM0JN107M	J	100 6.3V Electrolytic	
C2007	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2008	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2009	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2010	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2011	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2012	VCEASM1CN476M	J	47 16V Electrolytic	
C2013	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2014	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2016	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2017	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2101	VCEASM1CN107M	J	100 16V Electrolytic	
C2102	VCEASM1CN226M	J	22 16V Electrolytic	
C2103	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2104	VCEASK1CN107M	J	100 16V Electrolytic	
C2106	VCEASK1CN337M	J	330 16V Electrolytic	
C2107	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2111	VCEASK1CN227M	J	220 16V Electrolytic	
C2112	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2113	VCEASK1CN477M	J	470 16V Electrolytic	
C2114	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2115	VCEASK1CN477M	J	470 16V Electrolytic	
C2116	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2117	VCEASK1CN477M	J	470 16V Electrolytic	
C2118	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2119	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2120	VCEASK1CN107M	J	100 16V Electrolytic	
C2121	VCEASM1CN106M	J	10 16V Electrolytic	
C2122	VCEASM1CN106M	J	10 16V Electrolytic	
C2123	VCEASM1CN106M	J	10 16V Electrolytic	
C2124	VCEASM1CN106M	J	10 16V Electrolytic	
C2201	VCEASM1CN476M	J	47 16V Electrolytic	
C2202	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2203	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2204	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2205	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2206	VCAAPC0JJ336M	J	33 6.3V Electrolytic	
C2207	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2208	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2209	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2211	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C2212	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C2215	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C2216	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C2217	VCCCCY1HH470J	J	47p 50V Ceramic	AA
C2218	VCCCCY1HH470J	J	47p 50V Ceramic	AA
C2219	VCEASM0JN226M	J	22 6.3V Electrolytic	
C2220	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2221	VCAAPC0JJ336M	J	33 6.3V Electrolytic	
C2222	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2223	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2224	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2225	VCAAPC0JJ336M	J	33 6.3V Electrolytic	
C2226	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2227	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2228	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2229	VCAAPC0JJ336M	J	33 6.3V Electrolytic	
C2230	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2231	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2232	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2233	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C2234	VCKYCY1CF474Z	J	0.47 16V Ceramic	AB
C2235	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C2238	VCKYCY1HB471K	J	470p 50V Ceramic	AA
C2239	VCCCCY1HH820J	J	82p 50V Ceramic	AA

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Ref. No.	Part No.	★	Description	Code
C2240	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2241	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2242	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2243	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2244	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2245	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2246	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2247	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2248	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2249	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2250	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2251	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2252	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2253	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2254	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2255	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2256	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2257	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2258	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2259	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2260	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2261	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C2262	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2263	VCCCCY1HH820J	J	82p 50V Ceramic	AA
C2264	VCCCCY1HH820J	J	82p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R2002	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2003	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2006	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2010	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2011	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2012	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R2014	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2015	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R2016	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2017	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R2018	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2019	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2020	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2021	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R2022	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R2023	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2025	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R2026	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2027	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2028	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2029	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2030	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2033	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2034	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R2035	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R2036	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R2037	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R2040	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2041	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2042	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2044	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2045	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2046	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2050	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2052	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R2053	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2054	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2055	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2057	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2058	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2060	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2061	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2062	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2063	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2064	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2066	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2070	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R2075	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2077	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2078	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R2080	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2081	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2082	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2085	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2086	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2087	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2088	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2089	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R2090	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R2091	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2092	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2093	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2099	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2101	VRS-CY1JF202F	J	2.0k 1/16W Metal Oxide	AA
R2102	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2103	VRS-CY1JF432F	J	4.3k 1/16W Metal Oxide	AA
R2104	VRS-CY1JF753F	J	75k 1/16W Metal Oxide	AA
R2107	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R2108	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2109	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R2110	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R2111	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R2112	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2113	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R2114	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2115	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2116	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2117	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2118	VRS-TQ2BD222J	J	2.2k 1/8W Metal Oxide	AA
R2119	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2120	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2121	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2122	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2123	VRS-TQ2BD222J	J	2.2k 1/8W Metal Oxide	AA
R2124	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2125	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2126	VRS-TX2HF470J	J	47 1/2W Metal Oxide	AA
R2127	VRS-TX2HF470J	J	47 1/2W Metal Oxide	AA
R2150	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2151	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2153	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2156	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2157	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2158	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2159	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2160	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2161	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2202	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2203	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2204	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2205	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2206	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R2208	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2209	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2210	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2211	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2212	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R2213	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2214	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2215	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R2216	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2217	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R2220	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2221	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2222	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2223	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2224	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2225	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA

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DISPLAY MAIN UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
R2226	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2227	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2228	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2229	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2230	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R2231	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2233	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2235	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2236	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2237	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2238	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2239	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2240	VRS-CY1JF222F	J	2.2k 1/16W Metal Oxide	AA
R2241	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2244	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2245	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2246	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R2247	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2248	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2249	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2250	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2251	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R2252	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2255	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2256	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2257	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2258	VRS-CA1JF680J	J	68 1/16W Metal Oxide	
R2259	VRS-CB1JF680J	J	68 1/16W Metal Oxide	
R2260	VRS-CF1JP680J	J	68 1/16W Metal Oxide	
R2261	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R2262	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R2263	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R2264	VRS-CY1JF220J	J	22 1/16W Metal Oxide	AA
R2265	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2266	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R2267	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R2268	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R2269	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R2270	VRS-CF1JP680J	J	68 1/16W Metal Oxide	
R2271	VRS-CF1JP680J	J	68 1/16W Metal Oxide	
R2272	VRS-CB1JF680J	J	68 1/16W Metal Oxide	
R2273	VRS-CA1JF680J	J	68 1/16W Metal Oxide	
R2274	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2276	VRS-CY1JF220J	J	22 1/16W Metal Oxide	AA
R2277	VRS-CA1JF680J	J	68 1/16W Metal Oxide	
R2282	VRS-CB1JF680J	J	68 1/16W Metal Oxide	
R2284	VRS-CF1JP680J	J	68 1/16W Metal Oxide	
R2285	VRS-CA1JF680J	J	68 1/16W Metal Oxide	
R2287	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R2288	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R2290	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2291	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R2293	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2294	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB2001	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB2201	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB2202	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB2203	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB2204	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB2206	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB2207	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB2208	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB2209	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB2210	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB2211	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB2212	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB2213	RBLN-0006TAZZ	J	Ferrite Bead	AB
P2002	QPLGN1074TAZZ	J	Plug 10-Pin(SB)	
P2003	QPLGN0874TAZZ	J	Plug 8-Pin(RM)	
P2004	QPLGN0364TAZZ	J	Plug 3-Pin(KK)	AC
P2005	QPLGN0059CEZZ	J	Plug 9-Pin(MA)	
P2006	QLUGHA001WJZZ	J	Lug	
P2101	QPLGN0774TAZZ	J	Plug 7-Pin(PA)	
P2102	QPLGN0178FJZZ	J	Plug 6-Pin(PB)	AD
P2103	QPLGN0175FJZZ	J	Plug 3-Pin(MB)	AD
P2104	QPLGN0182FJZZ	J	Plug 10-Pin(SA)	AD
P2106	QPLGN0364TAZZ	J	Plug 3-Pin(MD)	AC
P2107	QLUGHA001WJZZ	J	Lug	
P2201	QLUGHA001WJZZ	J	Lug	
SC2001	QSOCN2298TAZZ	J	Socket 22-Pin(MC)	AE
SC2201	QSOCZA017WJZZ	J	Socket 24-Pin(DVI)	AM
SC2202	QSOCZ2015CEZZ	J	Socket 20-Pin(MDR)	AG
SC2203	QCNCWA015WJZZ	J	Connector 80-Pin(MSC)	AU
	PSLDMA020WJZZ	J	Shield	
	PSLDM4716CEFW	J	Shield	
	QCNW-A346WJZZ	J	Connecting Cord(KK)	AD
	QCNW-A347WJZZ	J	Connecting Cord(MD)	AD
	QCNW-A348WJZZ	J	Connecting Cord(PA)	AG
	QCNW-A349WJZZ	J	Connecting Cord(PB)	AE
	QCNW-A350WJZZ	J	Connecting Cord(RM)	AH
	QCNW-A351WJZZ	J	Connecting Cord(SA)	AF
	QCNW-A352WJZZ	J	Connecting Cord(SB)	AH
	NSFTZ0135CEFW	J	Shaft	AD

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AUDIO UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC3801	VHiBA09T/FP-1	J	BA09FP-E2	AG
IC3802	VHiNJM2193M-1	J	I.C.	
IC3803	VHiM62393FP-1	J	M62393FP	AK
IC3804	VHiTA8184F/-1	J	TA8184F	AN
IC3805	VHiNJM4560M-1	J	NJM4560M	AG
IC3806	VHiNJM4560M-1	J	NJM4560M	AG
IC3807	VHiNJM4560M-1	J	NJM4560M	AG
IC3808	VHiPST529DM-1	J	PST529DMT	AE
IC3809	VHiTA1101B/-1	J	I.C.	
IC3810	VHiBH3543F+-1	J	BH3543F-E2	AE
IC3811	VHiBA05FP++-1	J	BA05FP	

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q3801	VS2SA1530AR-1	J	2SA1530AR	AB
Q3802	VS2SA1530AR-1	J	2SA1530AR	AB
Q3803	VSDTC314TK/-1	J	DTC314TK	AC
Q3804	VSDTC314TK/-1	J	DTC314TK	AC
Q3805	VSDTC114EE/-1	J	DTC114EE	AB
Q3806	VSDTC314TK/-1	J	DTC314TK	AC

DIODES

Ref. No.	Part No.	★	Description	Code
D3802	VHDHSU119//-1	J	Diode	AB
D3803	VHDHSU119//-1	J	Diode	AB
D3804	VHDDAN222//-1	J	Diode	AA
D3805	VHDDAN222//-1	J	Diode	AA
D3806	VHDDAN222//-1	J	Diode	AA
D3807	VHDSFPB54//2E	J	Diode	AC
D3808	VHDSFPB54//2E	J	Diode	AC
D3809	VHDSFPB54//2E	J	Diode	AC
D3810	VHDSFPB54//2E	J	Diode	AC
D3811	RH-EX1277CEZZ	J	Zener Diode	AB
D3812	RH-EX1277CEZZ	J	Zener Diode	AB
D3813	RH-EX1277CEZZ	J	Zener Diode	AB
D3814	RH-EX1277CEZZ	J	Zener Diode	AB
D3815	VHDMA3120WA-1	J	Diode	AK
D3816	RH-EX1315CEZZ	J	Zener Diode	
D3817	RH-EX1315CEZZ	J	Zener Diode	
D3818	RH-EX1254CEZZ	J	Zener Diode	AB

COILS

Ref. No.	Part No.	★	Description	Code
L3802	RCiLPA001WJZZ	J	Coil	
L3803	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L3804	RCiLPA001WJZZ	J	Coil	
L3805	RCiLPA001WJZZ	J	Coil	
L3806	RCiLPA001WJZZ	J	Coil	
L3807	RCiLPA001WJZZ	J	Coil	

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C3801	VCEASK1CN337M	J	330	16V	Electrolytic	
C3802	VCEASK1CN477M	J	470	16V	Electrolytic	
C3803	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3804	VCEASK1CN227M	J	220	16V	Electrolytic	
C3805	VCEASK0JN107M	J	100	6.3V	Electrolytic	
C3813	VCKYCY1HB222K	J	2200p	50V	Ceramic	AA
C3814	VCKYCY1CF333Z	J	0.033	16V	Ceramic	AA
C3815	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C3816	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C3817	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3818	VCKYCY1HB122K	J	1200p	50V	Ceramic	AA
C3819	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3820	VCKYCY1HB122K	J	1200p	50V	Ceramic	AA
C3821	RC-EZA032WJZZ	J	10	16V	Elect.(N.P.)	
C3822	RC-EZA032WJZZ	J	10	16V	Elect.(N.P.)	
C3823	VCKYCY1CF224Z	J	0.22	16V	Ceramic	AA
C3824	VCKYCY1CF224Z	J	0.22	16V	Ceramic	AA
C3825	VCKYCY1HB392K	J	3900p	50V	Ceramic	AA
C3826	VCKYCY1HB392K	J	3900p	50V	Ceramic	AA
C3827	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3828	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3829	VCEASM1CN106M	J	10	16V	Electrolytic	
C3830	VCEASM1CN106M	J	10	16V	Electrolytic	
C3831	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3832	VCEASM1CN476M	J	47	16V	Electrolytic	
C3833	VCEASM1HN105M	J	1.0	50V	Electrolytic	
C3834	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C3835	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3836	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3837	VCEASM1CN476M	J	47	16V	Electrolytic	
C3838	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3839	VCEASM1CN106M	J	10	16V	Electrolytic	
C3840	VCEASM1CN106M	J	10	16V	Electrolytic	
C3841	VCFRED1HM822J	J	8200p	50V	Mylar	AD
C3842	VCFRED1HM822J	J	8200p	50V	Mylar	AD
C3843	VCFYEC1CM334J	J	0.33	16V	Mylar	AE
C3844	VCFYEC1CM334J	J	0.33	16V	Mylar	AE
C3845	VCEASM1CN106M	J	10	16V	Electrolytic	
C3846	VCEASM1CN106M	J	10	16V	Electrolytic	
C3847	VCEASM1CN476M	J	47	16V	Electrolytic	
C3848	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C3849	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C3850	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C3851	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C3852	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C3853	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3854	VCKYCY1CB473K	J	0.047	16V	Ceramic	AA
C3855	VCKYCY1CB473K	J	0.047	16V	Ceramic	AA
C3856	VCKYCY1CB473K	J	0.047	16V	Ceramic	AA
C3857	VCKYCY1CB473K	J	0.047	16V	Ceramic	AA
C3858	VCEASM1HN225M	J	2.2	50V	Electrolytic	
C3859	VCEASM1HN225M	J	2.2	50V	Electrolytic	
C3860	VCEASM1CN476M	J	47	16V	Electrolytic	
C3861	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3863	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3864	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3865	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3866	VCKYCY1HB223K	J	0.022	50V	Ceramic	AB
C3868	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3869	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C3870	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3871	VCKYCY1HB223K	J	0.022	50V	Ceramic	AB
C3872	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3873	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3874	VCKYCY1HB391K	J	390p	50V	Ceramic	AA
C3875	VCKYCY1HB472K	J	4700p	50V	Ceramic	AA
C3876	VCKYCY1HB391K	J	390p	50V	Ceramic	AA
C3877	VCKYCY1HB472K	J	4700p	50V	Ceramic	AA
C3878	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3879	VCEASK0JN227M	J	220	6.3V	Electrolytic	
C3880	VCEASM1HN105M	J	1.0	50V	Electrolytic	
C3881	VCKYTV1CF225Z	J	2.2	16V	Ceramic	AC
C3882	VCKYTV1CF225Z	J	2.2	16V	Ceramic	AC
C3883	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3884	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3885	VCKYCY1HB821K	J	820p	50V	Ceramic	AA
C3886	VCKYTV1CF225Z	J	2.2	16V	Ceramic	AC
C3887	VCKYCY1HB821K	J	820p	50V	Ceramic	AA
C3888	VCKYTV1CF225Z	J	2.2	16V	Ceramic	AC
C3889	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3890	VCEASM1CN476M	J	47	16V	Electrolytic	
C3891	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3892	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3893	VCEASK1CN227M	J	220	16V	Electrolytic	
C3894	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3895	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3897	VCKYCY1CF474Z	J	0.47	16V	Ceramic	AB
C3898	VCKYCY1CF474Z	J	0.47	16V	Ceramic	AB
C3899	VCKYCY1CF474Z	J	0.47	16V	Ceramic	AB
C3900	VCKYCY1CF474Z	J	0.47	16V	Ceramic	AB
C3901	VCKYCY1CF474Z	J	0.47	16V	Ceramic	AB
C3902	VCKYCY1CF474Z	J	0.47	16V	Ceramic	AB
C3903	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3904	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C3905	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C3907	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA

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AUDIO UNIT(Continued)

Ref. No.	Part No.	★	Description	Code
C3908	VCEASM1CN107M	J	100 16V Electrolytic	
C3909	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C3910	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3911	VCEASM1CN476M	J	47 16V Electrolytic	
C3913	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C3914	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3915	VCEASM1CN107M	J	100 16V Electrolytic	
C3916	VCEASM1CN107M	J	100 16V Electrolytic	
C3917	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3918	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3919	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3920	VCKYTV1HB104K	J	0.1 50V Ceramic	
C3921	VCKYTV1HB104K	J	0.1 50V Ceramic	
C3922	VCKYCY1HB102K	J	1000p 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R3801	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB
R3802	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB
R3806	VRS-TX2HF000J	J	0 1/2W Metal Oxide	AA
R3807	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R3811	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3812	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R3813	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R3814	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3815	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R3816	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3817	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R3818	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R3819	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R3820	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R3821	VRS-CY1JF243J	J	24k 1/16W Metal Oxide	AA
R3822	VRS-CY1JF243J	J	24k 1/16W Metal Oxide	AA
R3823	VRS-CY1JF243J	J	24k 1/16W Metal Oxide	AA
R3824	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R3825	VRS-CY1JF621J	J	620 1/16W Metal Oxide	AA
R3826	VRS-CY1JF243J	J	24k 1/16W Metal Oxide	AA
R3827	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R3828	VRS-CY1JF621J	J	620 1/16W Metal Oxide	AA
R3829	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3830	VRS-CY1JF622J	J	6.2k 1/16W Metal Oxide	AA
R3831	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3832	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3833	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3834	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3835	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3836	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3837	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3838	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3839	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R3840	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3841	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R3842	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3843	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3844	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3845	VRS-CY1JF474J	J	470k 1/16W Metal Oxide	AA
R3846	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3847	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3848	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3849	VRS-CY1JF164F	J	160k 1/16W Metal Oxide	
R3850	VRS-CY1JF562F	J	5.6k 1/16W Metal Oxide	AA
R3852	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3853	VRS-CY1JF164F	J	160k 1/16W Metal Oxide	
R3854	VRS-CY1JF562F	J	5.6k 1/16W Metal Oxide	AA
R3856	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3857	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3862	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3863	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R3864	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R3865	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R3866	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3867	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3868	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3869	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3870	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R3871	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R3872	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R3873	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3874	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3875	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3876	VRS-CY1JF163F	J	16k 1/16W Metal Oxide	AA
R3877	VRS-CY1JF163F	J	16k 1/16W Metal Oxide	AA
R3878	VRS-CY1JF163F	J	16k 1/16W Metal Oxide	AA
R3879	VRS-CY1JF163F	J	16k 1/16W Metal Oxide	AA
R3880	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3881	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3884	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3885	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3886	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3887	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3888	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3889	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3890	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R3891	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3892	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3893	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R3894	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3895	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R3896	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3897	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R3898	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3899	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R3900	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3901	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3902	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3903	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R3904	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3905	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R3906	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3907	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3908	VRS-CY1JF105J	J	1.0M 1/16W Metal Oxide	AA
R3909	VRS-TX2HF100J	J	10 1/2W Metal Oxide	AA
R3910	VRS-TX2HF100J	J	10 1/2W Metal Oxide	AA
R3911	VRS-TV1JD223J	J	22k 1/16W Metal Oxide	AA
R3912	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB
R3913	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB
R3914	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB
R3915	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R3917	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB
R3918	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3919	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3920	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB
R3921	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3922	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3923	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3924	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB3801	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB3802	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB3803	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB3804	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB3805	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB3806	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB3807	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB3808	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB3809	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB3810	RBLN-0059CEZZ	J	Ferrite Bead	AB
J3801	QJAKJ0047CEZZ	J	Jack(HEADPHONE)	AD
P3801	QPLGN0547FJZZ	J	Plug 10-Pin(SA)	
P3802	QPLGN0060CEZZ	J	Plug 10-Pin(SB)	
P3804	QPLGN0441CEZZ	J	Plug 4-Pin(SD)	AB
P3806	QLUGHA001WJZZ	J	Lug	

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INVERTER-1 UNIT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q6551	VSFZT1053A/-1	J	FZT1053A	AG
Q6552	VSFZT1053A/-1	J	FZT1053A	AG
Q6553	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q6554	VSFZT1053A/-1	J	FZT1053A	AG
Q6555	VSFZT1053A/-1	J	FZT1053A	AG
Q6556	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q6557	VSFZT1053A/-1	J	FZT1053A	AG
Q6558	VSFZT1053A/-1	J	FZT1053A	AG
Q6559	VS2SA1037KQ-1	J	2SA1037KQ	AA

COILS AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
L6551	RCiLP0420CEZZ	J	Coil	
L6553	RCiLP0420CEZZ	J	Coil	
L6555	RCiLP0420CEZZ	J	Coil	
T6551	RTRNZA007WJZZ	J	Transformer	
T6552	RTRNZA007WJZZ	J	Transformer	
T6553	RTRNZA007WJZZ	J	Transformer	
T6554	RTRNZA007WJZZ	J	Transformer	
T6555	RTRNZA007WJZZ	J	Transformer	
T6556	RTRNZA007WJZZ	J	Transformer	

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C6555	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6556	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6557	RC-EZA010WJZZ	J	1000 16V Electrolytic	AD
C6563	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6564	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6565	RC-EZA010WJZZ	J	1000 16V Electrolytic	AD
C6571	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6572	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6573	RC-EZA010WJZZ	J	1000 16V Electrolytic	AD
C6602	RC-FZA037WJZZ	J	0.18 AE	
C6604	RC-FZA037WJZZ	J	0.18 AE	
C6606	RC-FZA037WJZZ	J	0.18 AE	

RESISTORS

Ref. No.	Part No.	★	Description	Code
R6551	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6552	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6553	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R6554	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R6555	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6556	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6557	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R6558	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R6559	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6560	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6561	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R6562	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
F6551	QFS-D0009CEZZ	J	Fuse 2.5A	AE
F6552	QFS-D0009CEZZ	J	Fuse 2.5A	AE
F6553	QFS-D0009CEZZ	J	Fuse 2.5A	AE
FH6551	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6552	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6553	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6554	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6555	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6556	QFSHD1002CEZZ	J	Fuse Holder	AA
P6551	QPLGN0155FJZZ	J	Plug 3-Pin(LA)	AE
P6553	QPLGN0155FJZZ	J	Plug 3-Pin(LB)	AE
P6555	QPLGN0155FJZZ	J	Plug 3-Pin(LC)	AE
P6557	QPLGN0542CEZZ	J	Plug 5-Pin(PG)	AB
P6565	QLUGHA001WJZZ	J	Lug	
P6566	QLUGHA001WJZZ	J	Lug	
P6567	QLUGHA001WJZZ	J	Lug	

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INVERTER-2 UNIT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q6560	VSFZT1053A/-1	J	FZT1053A	AG
Q6561	VSFZT1053A/-1	J	FZT1053A	AG
Q6562	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q6563	VSFZT1053A/-1	J	FZT1053A	AG
Q6564	VSFZT1053A/-1	J	FZT1053A	AG
Q6565	VS2SA1037KQ-1	J	2SA1037KQ	AA
Q6566	VSFZT1053A/-1	J	FZT1053A	AG
Q6567	VSFZT1053A/-1	J	FZT1053A	AG
Q6568	VS2SA1037KQ-1	J	2SA1037KQ	AA

COILS AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
L6557	RCiLP0420CEZZ	J	Coil	
L6559	RCiLP0420CEZZ	J	Coil	
L6561	RCiLP0420CEZZ	J	Coil	
T6557	RTRNZA007WJZZ	J	Transformer	
T6558	RTRNZA007WJZZ	J	Transformer	
T6559	RTRNZA007WJZZ	J	Transformer	
T6560	RTRNZA007WJZZ	J	Transformer	
T6561	RTRNZA007WJZZ	J	Transformer	
T6562	RTRNZA007WJZZ	J	Transformer	

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C6579	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6580	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6581	RC-EZA010WJZZ	J	1000 16V Electrolytic	AD
C6587	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6588	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6589	RC-EZA010WJZZ	J	1000 16V Electrolytic	AD
C6595	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6596	VCKYCY1CB333K	J	0.033 16V Ceramic	AA
C6597	RC-EZA010WJZZ	J	1000 16V Electrolytic	AD
C6608	RC-FZA037WJZZ	J	0.18 AE	
C6610	RC-FZA037WJZZ	J	0.18 AE	
C6612	RC-FZA037WJZZ	J	0.18 AE	

RESISTORS

Ref. No.	Part No.	★	Description	Code
R6563	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6564	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6565	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R6566	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R6567	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6568	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6569	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R6570	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R6571	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6572	VRS-TW2ED182J	J	1.8k 1/4W Metal Oxide	AA
R6573	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R6574	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
F6554	QFS-D0009CEZZ	J	Fuse 2.5A	AE
F6555	QFS-D0009CEZZ	J	Fuse 2.5A	AE
F6556	QFS-D0009CEZZ	J	Fuse 2.5A	AE
FH6557	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6558	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6559	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6560	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6561	QFSHD1002CEZZ	J	Fuse Holder	AA
FH6562	QFSHD1002CEZZ	J	Fuse Holder	AA
P6558	QPLGN0155FJZZ	J	Plug 3-Pin(LD)	AE
P6560	QPLGN0155FJZZ	J	Plug 3-Pin(LE)	AE
P6562	QPLGN0155FJZZ	J	Plug 3-Pin(LF)	AE
P6564	QPLGN0542CEZZ	J	Plug 5-Pin(PH)	AB
P6568	QLUGHA001WJZZ	J	Lug	
P6569	QLUGHA001WJZZ	J	Lug	

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INVERTER GND UNIT

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q6901	VSUPA606T//-1	J	UPA606T	AD
Q6902	VSUPA606T//-1	J	UPA606T	AD
Q6903	VSUPA606T//-1	J	UPA606T	AD
Q6904	VSUPA606T//-1	J	UPA606T	AD
Q6905	VSUPA606T//-1	J	UPA606T	AD
Q6906	VSUPA606T//-1	J	UPA606T	AD

DIODES

Ref. No.	Part No.	★	Description	Code
D6901	VHDiMN10///-1	J	Diode	AB
D6902	VHDiMN10///-1	J	Diode	AB
D6903	VHDiMN10///-1	J	Diode	AB
D6904	VHDiMN10///-1	J	Diode	AB
D6905	VHDiMN10///-1	J	Diode	AB
D6906	VHDiMN10///-1	J	Diode	AB
D6907	VHDiMN10///-1	J	Diode	AB
D6908	VHDiMN10///-1	J	Diode	AB

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C6901	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6902	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6903	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6904	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6905	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6906	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6907	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6908	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6909	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6910	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6911	VCKYTV1AB105K	J	1.0 10V Ceramic	AD
C6912	VCKYTV1AB105K	J	1.0 10V Ceramic	AD

RESISTORS

Ref. No.	Part No.	★	Description	Code
R6901	VRS-CA1JF152J	J	1.5k 1/16W Metal Oxide	AA
R6902	VRS-CB1JF152J	J	1.5k 1/16W Metal Oxide	AC
R6903	VRS-CA1JF152J	J	1.5k 1/16W Metal Oxide	AA
R6904	VRS-CB1JF152J	J	1.5k 1/16W Metal Oxide	AC
R6905	VRS-CA1JF104J	J	100k 1/16W Metal Oxide	AA
R6906	VRS-CB1JF104J	J	100k 1/16W Metal Oxide	AA
R6907	VRS-CB1JF104J	J	100k 1/16W Metal Oxide	AA
R6908	VRS-CA1JF104J	J	100k 1/16W Metal Oxide	AA
R6909	VRS-CB1JF562J	J	5.6k 1/16W Metal Oxide	AC
R6910	VRS-CA1JF562J	J	5.6k 1/16W Metal Oxide	AA
R6911	VRS-CB1JF562J	J	5.6k 1/16W Metal Oxide	AC
R6912	VRS-CA1JF562J	J	5.6k 1/16W Metal Oxide	AA
R6913	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R6914	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P6901	QPLGN0155FJZZ	J	Plug 3-Pin(GA)	AE
P6902	QPLGN0155FJZZ	J	Plug 3-Pin(GB)	AE
P6903	QPLGN0155FJZZ	J	Plug 3-Pin(GC)	AE
P6904	QPLGN0155FJZZ	J	Plug 3-Pin(GD)	AE
P6905	QPLGN0155FJZZ	J	Plug 3-Pin(GE)	AE
P6906	QPLGN0155FJZZ	J	Plug 3-Pin(GF)	AE
P6907	QPLGN0364TAZZ	J	Plug 3-Pin(MD)	AC
P6908	QLUGHA001WJZZ	J	Lug	
P6909	QLUGHA001WJZZ	J	Lug	

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R/C AND LED UNIT

INTEGRATED CIRCUIT

Ref. No.	Part No.	★	Description	Code
IC101	VHiTPS819++-1	J	I.C.	

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q101	VS2SC2712Y/-1	J	2SC2712Y	AB
Q102	VS2SC2712Y/-1	J	2SC2712Y	AB
Q103	VS2SC2712Y/-1	J	2SC2712Y	AB
Q104	VS2SC3928AR-1	J	2SC3928AR	AB
Q105	VS2SC3928AR-1	J	2SC3928AR	AB
Q106	VS2SC2712Y/-1	J	2SC2712Y	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D101	RH-EX0879CEZZ	J	Zener Diode	AD
D102	RH-PX0419CEZZ	J	LED	AC
D103	RH-PX0421CEZZ	J	LED	AD
D104	RH-PX0198TAZZ	J	LED	AC

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C101	VCEASM0JN107M	J	100 6.3V Electrolytic	
C102	VCKYTV1CF225Z	J	2.2 16V Ceramic	AC
C104	VCEASM1CN106M	J	10 16V Electrolytic	
C105	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R101	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R102	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R104	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R105	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R106	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R108	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R109	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R113	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R115	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R116	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P101	QPLGN0874TAZZ	J	Plug 8-Pin(RM)	
RMC101	RRMCU0239CEZZ	J	R/C Receiver	AG
SLD101	PSLDM4646CEFW	J	Shield	AD

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OPERATION UNIT

DIODES

Ref. No.	Part No.	★	Description	Code
D130	RH-EX0879CEZZ	J	Zener Diode	AD
D131	RH-EX0879CEZZ	J	Zener Diode	AD

RESISTORS

Ref. No.	Part No.	★	Description	Code
R130	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R131	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R132	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R133	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA

SWITCHES

Ref. No.	Part No.	★	Description	Code
SW130	QSW-K0095CEZZ	J	Switch Vol-Down	AB
SW131	QSW-K0095CEZZ	J	Switch Vol-Up	AB
SW132	QSW-K0095CEZZ	J	Switch CH-Down	AB
SW133	QSW-K0095CEZZ	J	Switch CH-Up	AB
SW134	QSW-K0095CEZZ	J	Switch Input	AB
SW135	QSW-K0095CEZZ	J	Switch Power	AB
SW136	QSW-P0591CEZZ	J	Switch Main Switch	AQ

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P130	QPLGN0364TAZZ	J	Plug 3-Pin(KK)	AC
P131	QPLGNA007WJZZ	J	Plug 5-Pin(AA)	AE

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SPEAKER-L UNIT

DIODES

Ref. No.	Part No.	★	Description	Code
D201	RH-EX1274CEZZ	J	Zener Diode	AB
D202	RH-EX1274CEZZ	J	Zener Diode	AB

CAPACITOR

Ref. No.	Part No.	★	Description	Code
C201	VCKYCY1HB102K	J	1000p 50V Ceramic	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB201	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB202	RBLN-0210TAZZ	J	Ferrite Bead	AB
J201	QJAKEA003WJZZ	J	Jack (SP-L)	AD
P201	QPLGN0242CEZZ	J	Plug 2-Pin(SL)	AA
P205	QLUGHA001WJZZ	J	Lug	

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SPEAKER-R UNIT

DIODES

Ref. No.	Part No.	★	Description	Code
D203	RH-EX1274CEZZ	J	Zener Diode	AB
D204	RH-EX1274CEZZ	J	Zener Diode	AB

CAPACITOR

Ref. No.	Part No.	★	Description	Code
C202	VCKYCY1HB102K	J	1000p 50V Ceramic	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB203	RBLN-0210TAZZ	J	Ferrite Bead	AB
FB204	RBLN-0210TAZZ	J	Ferrite Bead	AB
J202	QJAKEA003WJZZ	J	Jack (SP-R)	AD
P202	QPLGN0242CEZZ	J	Plug 2-Pin(SR)	AA
P206	QLUGHA001WJZZ	J	Lug	

RDENCA009WJZZ
POWER UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC1	VHINJM2375AD1	J	NJM2375AD	
IC2	VHITNY264P/-1	J	TNY264P	
IC3	VHIHA17431UA4	J	HA17431	
IC4	VHIHA17431UA4	J	HA17431	
IC11	VHIHA17431UA4	J	HA17431	

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q1	VS2SK2917//-1	J	2SK2917	
Q2	VS2SC2873/Y-1	J	2SC2873	
Q3	VSDTB114EK/-1	J	DTB114EK	
Q5	VS2SK2717//-1	J	2SK2717	
Q6	VS2SC2873/Y-1	J	2SC2873	
Q9	VS2SK2717//-1	J	2SK2717	
Q10	VS2SC2873/Y-1	J	2SC2873	
Q13	VSDTA124EK/-1	J	DTA124EK	
Q14	VSDTC124EK/-1	J	DTC124EK	
Q17	VSDTD114EK/-1	J	DTD114EK	
Q18	VSDTC124EK/-1	J	DTC124EK	
Q22	VSDTA124EK/-1	J	DTA124EK	
Q23	VSDTA124EK/-1	J	DTA124EK	

DIODES

Ref. No.	Part No.	★	Description	Code
D1	VHDLN4SB60/-1	J	Diode Bridge,LN4SB60	
D2	VHDFMDG26S/-1	J	Diode, FMD-G26S	
D3	VHD1SS193//-1	J	Diode, 1SS193	
D4	VHD1SS193//-1	J	Diode, 1SS193	
D5	VHD1SS193//-1	J	Diode, 1SS193	
D6	VHEHZU22B2/-1	J	Zener Diode, HZU22B2	
D7	VHD1SS193//-1	J	Diode, 1SS193	
D8	VHD1SS193//-1	J	Diode, 1SS193	
D9	VHD1SS193//-1	J	Diode, 1SS193	
D10	VHD1SS193//-1	J	Diode, 1SS193	
D11	VHEHZU20B2/-1	J	Zener Diode, HZU20B2	
D12	VHD1SS193//-1	J	Diode, 1SS193	
D18	VHDEG01C///-1	J	Diode, EG01C	
D19	VHDEG01C///-1	J	Diode, EG01C	
D20	VHDSFPL52V/-1	J	Diode, SFPL52	
D21	VHDFMB24L//-1	J	Diode, FMB24L	
D22	VHDFMB24L//-1	J	Diode, FMB24L	
D23	VHEHZU13B1/-1	J	Zener Diode, HZU13B1	
D24	VHDFMB26L//-1	J	Diode, FMB26L	
D25	VHDFMB26L//-1	J	Diode, FMB26L	
D26	VHEHZU15B3/-1	J	Zener Diode, HZU15B3	
D29	VHDSFPB69//-1	J	Diode, SFPB69	
D30	VHEHZU5.1B2-1	J	Zener Diode, HZU5.1B2	
D31	VHD1SS193//-1	J	Diode, 1SS193	
D39	VHERLZ8.2A/-1	J	Zener Diode, RLZ8.2A	
D44	VHD1SS193//-1	J	Diode, 1SS193	
D45	VHERLZ8.2A/-1	J	Zener Diode, RLZ8.2A	

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠PC1	VHPPS2581L2DW	J	Photo Coupler, PS2581L2	
⚠PC2	VHPPS2581L2DW	J	Photo Coupler, PS2581L2	
⚠PC4	VHPPS2581L2DW	J	Photo Coupler, PS2581L2	
⚠PC6	VHPPS2581L2DW	J	Photo Coupler, PS2581L2	
⚠PC8	VHPPS2581L2DW	J	Photo Coupler, PS2581L2	
TH1	VHS8D2-10LD-1	J	Thermister, 8D2-10LD	
TH2	VHS8D2-10LD-1	J	Thermister, 8D2-10LD	
⚠VA1	VHVNV470D10-C	J	Varistor, NV470D10	
⚠VA4	VHVNV470D10-C	J	Varistor, NV470D10	

COILS AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
⚠L1	RCILZ1258SNEZ	J	LineFilter, RCILZ1258SNEZ	
⚠L2	RCILZ1231SNEZ	J	LineFilter, RCILZ1231SNEZ	
L3	RCiLC1261SNEZ	J	ChokeCoil, RCiLC1261SNEZ	
L4	RCILC1262SNEZT	J	ChokeCoil, TSR112RA1R0	
L5	RCILC1253SNEZT	J	ChokeCoil, TSR112RA3R3	
L7	RCILC1252SNEZT	J	ChokeCoil, TSR0709RA220	
⚠T1	RTRNP1226SNEZ	J	Transformer, P1226	
⚠T2	RTRNP1226SNEZ	J	Transformer, P1226	
⚠T3	RTRNP1227SNEZ	J	Transformer, P1227	
⚠T4	RTRNP1227SNEZ	J	Transformer, P1227	
⚠T6	RTRNP1228SNEZ	J	Transformer, P1228	

CAPACITORS

Ref. No.	Part No.	★	Description	Code
⚠C1	RC-M2E224RESC	J	0.22 275V Film	
⚠C3	RC-M2E224RESC	J	0.22 275V Film	
⚠C4	RC-M2E473RESC	J	0.047 275V Film	
C5	RC-M2W105FPDZ	J	1 450V Film	
C6	RCDE0707R221S	J	220p 2kV Ceramic	
C7	RC-E2W686KMXZ	J	68 450V Electrolytic	
C8	RC-E2W686KMXZ	J	68 450V Electrolytic	
C10	VCKYCY1HB103K	J	0.01 50V Ceramic	
C11	VCKYTV1CB474K	J	0.47 16V Ceramic	
C14	RC-E1H157KZEZT	J	150 50V Electrolytic	
C15	RCDE0907R471S	J	470p 2kV Ceramic	
C16	RCDE0907R471S	J	470p 2kV Ceramic	
C17	VCKYCY1EB104K	J	0.1 25V Ceramic	
C18	VCKYCY1EB104K	J	0.1 25V Ceramic	
C19	VCKYCY1HB152K	J	0.0015 50V Ceramic	
C20	VCKYCY1HB103K	J	0.01 50V Ceramic	
C21	RCDE0907R471S	J	470p 2kV Ceramic	
C22	RCDE0907R471S	J	470p 2kV Ceramic	
C23	VCKYCY1EB104K	J	0.1 25V Ceramic	
C24	VCKYCY1EB104K	J	0.1 25V Ceramic	
C25	VCKYTV1HB152K	J	0.0015 50V Ceramic	
C26	VCKYCY1HB103K	J	0.01 50V Ceramic	
C27	VCKYCY1HF473Z	J	0.047 50V Ceramic	
C28	RCE1H105SNPRT	J	1 50V Electrolytic	

RDENCA009WJZZ

POWER UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C29	VCKYCY1HB222K	J	0.0022 50V Ceramic	
C36	RC-E2G226KMXZ	J	22 400V Electrolytic	
C37	RCDE0705SL101T	J	100p 2kV Ceramic	
C38	VCKYCY1EB104K	J	0.1 25V Ceramic	
C39	RC-E1H226KZEZT	J	22 50V Electrolytic	
C40	RC-E1E227SNHCT	J	220 25V Electrolytic	
C41	RC-E1E227SNHCT	J	220 25V Electrolytic	
C42	RC-E1E227SNHCT	J	220 25V Electrolytic	
C43	RC-E1E227SNHCT	J	220 25V Electrolytic	
C44	RC-E1E227SNHCT	J	220 25V Electrolytic	
C45	VCKYCY1AB474K	J	0.47 10V Ceramic	
C46	RC-E1E227SNHCT	J	220 25V Electrolytic	
C47	RC-E1E227SNHCT	J	220 25V Electrolytic	
C48	RC-E1E227SNHCT	J	220 25V Electrolytic	
C52	RC-E1E227SNHCT	J	220 25V Electrolytic	
C57	RC-E1A227SKZET	J	220 10V Electrolytic	
C58	RC-E1A107SKZET	J	100 10V Electrolytic	
C59	VCKYCY1EB104K	J	0.1 25V Ceramic	
⚠ C72	RCDE1010E222M	J	2200p 250V Ceramic	
⚠ C73	RCDE1010E222M	J	2200p 250V Ceramic	
⚠ C74	RCDE1010E222M	J	2200p 250V Ceramic	
C91	VCKYCY1HB103K	J	0.01 50V Ceramic	
C94	RC-E1H105SNPRT	J	1 50V Electrolytic	
C95	VCKYTV1CB224K	J	0.22 16V Ceramic	
C96	VCKYCY1HB223K	J	0.022 50V Ceramic	
C97	VCKYCY1HB103K	J	0.01 50V Ceramic	
C98	RCDE0705SL101T	J	100p 2kV Ceramic	
C99	VCKYCY1HB103K	J	0.01 50V Ceramic	

RESISTORS

Ref. No.	Part No.	★	Description	Code
R1	VRS-TX2HD274J		270k 1/2W Metal Oxide	
R2	VRS-TS2AD105J		1M 1/10W Metal Oxide	
R3	VRS-TS2AD105J		1M 1/10W Metal Oxide	
R4	VRS-TS2AD153J		15k 1/10W Metal Oxide	
R5	VRS-TS2AD223J		22k 1/10W Metal Oxide	
R6	RR-ERQ14AJ120		12 1/4W Metal Oxide	
R7	RR-HRNMR15J2C		0.15 2W Metal Oxide	
R8	VRS-TS2AD101J		100 1/10W Metal Oxide	
R9	VRS-TS2AD821J		820 1/10W Metal Oxide	
R10	VRS-TS2AD102J		1k 1/10W Metal Oxide	
R11	RR-HRSM3R0J3W		3 3W Metal Oxide	
R12	VRD-RE3LA330J		33 3W Carbon	
R13	VRS-TX2HD274J		270k 1/2W Metal Oxide	
R14	VRS-TX2HD274J		270k 1/2W Metal Oxide	
R15	VRS-TS2AD103J		10k 1/10W Metal Oxide	
R16	VRS-TS2AD183J		18k 1/10W Metal Oxide	
R17	VRS-TS2AD122J		1.2k 1/10W Metal Oxide	
R18	VRS-TW2ED821J		820 1/4W Metal Oxide	
R19	VRS-TW2ED102J		1k 1/4W Metal Oxide	
R20	VRS-TX2HD221J		220 1/2W Metal Oxide	
R21	VRS-TS2AD102J		1k 1/10W Metal Oxide	
R22	VRS-TS2AD680J		68 1/10W Metal Oxide	
R23	VRS-TS2AD101J		100 1/10W Metal Oxide	
R27	RR-HRSM3R0J3W		3 3W Metal Oxide	
R28	VRD-RE3LA330J		33 3W Carbon	
R29	VRS-TX2HD274J		270k 1/2W Metal Oxide	
R30	VRS-TX2HD274J		270k 1/2W Metal Oxide	
R31	VRS-TS2AD103J		10k 1/10W Metal Oxide	
R32	VRS-TS2AD183J		18k 1/10W Metal Oxide	
R33	VRS-TS2AD122J		1.2k 1/10W Metal Oxide	
R34	VRS-TW2ED561J		560 1/4W Metal Oxide	
R35	VRS-TW2ED102J		1k 1/4W Metal Oxide	
R36	VRS-TX2HD221J		220 1/2W Metal Oxide	
R37	VRS-TS2AD102J		1k 1/10W Metal Oxide	
R38	VRS-TS2AD680J		68 1/10W Metal Oxide	
R39	VRS-TS2AD101J		100 1/10W Metal Oxide	
R43	VRS-TS2AD562J		5.6k 1/10W Metal Oxide	
R44	VRS-TS2AD513J		51k 1/10W Metal Oxide	
R58	VRS-TX2HD152J		1.5k 1/2W Metal Oxide	
R59	VRD-HT2EY3R3J		3.3 1/4W Carbon	
R60	VRS-TS2AD221J		220 1/10W Metal Oxide	
R61	VRS-TS2AD101J		100 1/10W Metal Oxide	
R62	VRS-TS2AD102J		1k 1/10W Metal Oxide	
R63	VRS-TS2AD562J		5.6k 1/10W Metal Oxide	
R64	VRS-TS2AD362F		3.6kF 1/10W Metal Oxide	
R65	VRS-TS2AD181F		180F 1/10W Metal Oxide	
R66	VRS-TS2AD102F		1kF 1/10W Metal Oxide	
R67	VRS-TS2AD101J		100 1/10W Metal Oxide	
R68	VRS-TS2AD221J		220 1/10W Metal Oxide	
R69	VRS-TS2AD102J		1k 1/10W Metal Oxide	
R71	VRS-TS2AD562F		5.6kF 1/10W Metal Oxide	
R72	VRS-TS2AD301F		300F 1/10W Metal Oxide	
R73	VRS-TS2AD102F		1kF 1/10W Metal Oxide	
R81	VRS-TS2AD102J		1k 1/10W Metal Oxide	
R82	VRS-TS2AD103J		10k 1/10W Metal Oxide	
R83	VRS-TS2AD222J		2.2k 1/10W Metal Oxide	
R96	VRS-TX2HD274J		270k 1/2W Metal Oxide	
R97	VRS-TS2AD221J		220 1/10W Metal Oxide	
R105	VRS-TP2BD754F		750kF1/8W Metal Oxide	
R106	VRS-TP2BD824F		820kF1/8W Metal Oxide	
R107	VRS-TS2AD103F		10kF 1/10W Metal Oxide	
R108	VRS-TS2AD223J		22k 1/10W Metal Oxide	
R109	VRS-TS2AD104J		100k 1/10W Metal Oxide	
⚠ R110	RR-RCR60-106J		10M 1/2W Metal Oxide	
R113			Jumper	
R115	VRS-TS2AD100J		10 1/10W Metal Oxide	
R116	VRS-TP2BD824F		820kF1/8W Metal Oxide	
R117	VRS-TP2BD914F		910kF1/8W Metal Oxide	
R118	VRS-TS2AD103F		10kF 1/10W Metal Oxide	
R119	VRS-TS2AD102J		1k 1/10W Metal Oxide	
R120	VRS-TS2AD221J		220 1/10W Metal Oxide	
R121	VRS-TS2AD152J		1.5k 1/10W Metal Oxide	

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F1	QFS-A1130SNEZT	J	Fuse, T3.15A 250V,TR-5 382	
⚠ F3	QFS-A1129SNEZT	J	Fuse, T2A 250V,TR-5 382	
⚠ F9	QFS-T1099SNEZ	J	Fuse, X25 136°C 2A P130A	
⚠ CN1	QSOCA1014SNEZ	J	Inlet, AC-M15PB58	
CN2	QCNCM1706SNEZ	J	Connector, B5P10S-VH	
CN3	QCNCM1771SNEZ	J	Connector, BM07B-SRSS-TB	
CN4	QCNCM1373SNEZ	J	Connector, B6B-PH-K-S	
CN5	QCNCM1395SNEZ	J	Connector, B5B-PH-K-S	
CN6	QCNCM1396SNEZ	J	Connector, B2B-PH-K-S	
CN7	QCNCM1580SN1J	J	Connector, B10B-EH	
⚠ RL1	RRLYD1010SNEZ	J	Relay, JZ1aFS-5V-TV	
	LANGK3001SNEZ	J	InletAngle	
	PRDAF3000SNEZ	J	Radiation Board A	
	PRDAF3001SNEZ	J	Radiation Board B	
	PRDAF3003SNEZ	J	Radiationb Board D	
	QTAND1017SNEZ	J	Lug	
⚠	PZET0028CEKZ	J	Insulation Sheet	
	LX-LZ1001SNEZ	J	Rivet	
	LHLDW1012SNEZ	J	UAMS-07-0	

RDENCA006WJZZ
EMC UNIT

DIODE

Ref. No.	Part No.	★	Description	Code
⚠ VA710	VHVNV470D10-C or VHVENC471D10S	J	Varistor	

FILTERS

Ref. No.	Part No.	★	Description	Code
⚠ L701	RCiLZ1230SNEZ	J	Filter	
⚠ L702	RCiLZ1230SNEZ	J	Filter	

CAPACITORS

Ref. No.	Part No.	★	Description	Code
⚠ C701	RC-M2E224RESC or RC-M2E224ETSC	J	0.22 275V Film	
⚠ C702	RCDE0910R102S	J	1000p 250V Ceramic	
⚠ C703	RCDE0910R102S	J	1000p 250V Ceramic	
⚠ C735	RC-M2E224RESC or RC-M2E224ETSC	J	0.22 275V Film	

RESISTOR

Ref. No.	Part No.	★	Description	Code
⚠ R701	VRD-HT2HY394J	J	390k 1/2W Carbon	

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
F701	QFS-A1129SNEZ	J	Fuse T2A 250V TR-5	
⚠ CN701	QSOCA1012SNEZ	J	Socket, 3-pin	
⚠ CNW701	QCNW-1765SNEZ	J	Connecting Cord (NF)	
⚠ CNW702	QCNW-1769SNEZ	J	Connecting Cord (Earth)	

RDENC0331CEZZ
POWER UNIT (AVC)

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC701	VHiNJM2375AD1	J	NJM2375AD	
IC702	VHiTNY264P/-1	J	TNY264P	
IC703	VHiTA76431S15	J	TA76431	AF

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q701	VS2SK2662//-1	J	2SK2662	AH
Q702	VS2SC1741AS-1	J	2SC1741AS	AC
Q703	VS2SK2700//-1	J	2SK2700	AM
Q704	VS2SC1741AS-1	J	2SC1741AS	AC
Q705	VSDTD113ZS/-1	J	DTD113ZS	
Q706	VSDTC124ESA-1	J	DTC124ESA	AC
Q707	VSDTA124XSA-1	J	DTA124XSA	AC
Q708	VSDTC124ESA-1	J	DTC124ESA	AC
Q709	VSDTA114ESA-1	J	DTA114ESA	AC

DIODES

Ref. No.	Part No.	★	Description	Code
D701	VHDD3SB60//-1	J	Diode	AH
D702	VHD5JL2CZ47-1	J	Diode	
D703	VHD1SS270ATE1	J	Diode	AB
D704	VHD1SS270ATE1	J	Diode	AB
D705	VHEHZS18-3/-1	J	Zener Diode	AB
D706	VHD1SS270ATE1	J	Diode	AB
D707	VHD05NH45//-1	J	Diode	AD
D708	VHD05NH45//-1	J	Diode	AD
D709	VHDAG01////-1	J	Diode	AE
D710	VHDFMB26L//-1	J	Diode	AH
D711	VHEHZS12A3/-1	J	Zener Diode	
D713	VHDRK39LFC3-1	J	Diode	
D714	VHD1SS270ATE1	J	1SS270A	AB
D715	VHEHZS3CLL/-1	J	Zener Diode	AD
D716	VHEHZS6C2//-1	J	Zener Diode	AB
D717	VHD1SS270ATE1	J	Diode	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
å PC701	VHPPC123FY2-1	J	Photo Coupler PC123FY	AF
å PC702	VHPPC123FY2-1	J	Photo Coupler PC123FY	AF
å PC703	VHPPC123FY2-1	J	Photo Coupler PC123FY	AF
å PC704	VHPPC123FY2-1	J	Photo Coupler PC123FY	AF

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
L703	RCiLC1239SNEZ	J	Coil	
L704	RCiLC1249SNEZ	J	Coil	
L705	RCiLC1250SNEZ	J	Coil	

TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
å T701	RTRNP1219SNEZ	J	Transformer	
å T702	RTRNP1220SNEZ	J	Transformer	
TH701	VHS8D2-10LD-1	J	Power Thermistor	AE
TH702	VHS8D2-10LD-1	J	Power Thermistor	AE

CAPACITORS

[EL.··· Electrolytic]

Ref. No.	Part No.	★	Description	Code
å C704	RC-M2E103RESC	J	0.01 275V Film	AE
å C705	RCDE0910R102S	J	1000p 250V Ceramic	AD
C706	RC-M2G824MDSC	J	0.82 400V Film	AG
C707	RCDE0707R221S	J	220p 2kV Ceramic	AD
C708	RC-E2W566KMMZ	J	56 450V EL.	AM
C709	RCDD350BC103K	J	0.01 50V Ceramic	AB
C710	RC-E1V107SNPW	J	100 35V EL.	AD
C711	RC-DD312F474Z	J	0.47 12V Ceramic	AD
C713	RCDE0707R221S	J	220p 2kV Ceramic	AD
C714	RCDE0707R221S	J	220p 2kV Ceramic	AD
C715	RCDD407SR104K	J	0.1 16V Ceramic	AC
C716	RCDD407SR104K	J	0.1 16V Ceramic	AC
C717	RCDD107-B472K	J	4700p 50V Ceramic	AB
C718	RCDD350BC103K	J	0.01 50V Ceramic	AB
C719	RC-E2G226KMXZ	J	22 400V EL.	AH
C720	RCDE0705SL101	J	100p 2kV Ceramic	AD
C721	RCDD407SR104K	J	0.1 16V Ceramic	AC

RDENC0311CEZZ
POWER UNIT (AVC)

Ref. No.	Part No.	★	Description	Code
C722	RC-E1H226SNPJ	J	22 50V EL.	AC
C723	RC-E1E477SNPW	J	470 25V EL.	AF
C724	RC-E1E477SNPW	J	470 25V EL.	AF
C725	RC-E1E477SNPW	J	470 25V EL.	AF
C726	RCDD407SR104K	J	0.1 16V Ceramic	AC
C727	RC-E1E477SNPW	J	470 25V EL.	AF
C728	RC-E1A227SNPW	J	220 10V EL.	AD
C729	RC-E1A227SNPW	J	220 10V EL.	AD
C730	RCDD407SR104K	J	0.1 16V Ceramic	AC
C731	RCDD407SR473K	J	0.047 50V Ceramic	AB
C732	RC-E1H105SNPR	J	1 50V EL.	AC
C733	RCDD106-B222K	J	2200p 50V Ceramic	AB

RESISTORS

[M-Ox.··· Metal Oxide]

Ref. No.	Part No.	★	Description	Code
R702	VRD-HT2EY105J	J	1M 1/4W Carbon	AA
R703	VRD-HT2EY105J	J	1M 1/4W Carbon	AA
R704	VRD-HT2EY223J	J	22k 1/4W Carbon	AA
R705	VRD-HT2EY100J	J	10 1/4W Carbon	AA
R706	RR-HRNMR15J2C	J	0.15 2W M-Ox.	
R707	VRD-HT2EY824J	J	820k 1/4W Carbon	AA
R708	VRD-HT2EY754J	J	750k 1/4W Carbon	AA
R709	VRD-HT2EY000J	J	0 1/4W Carbon	AA
R710	VRD-HT2EY153J	J	15k 1/4W Carbon	AA
R711	VRD-HT2EY561J	J	560 1/4W Carbon	
R712	VRD-HT2EY102J	J	1k 1/4W Carbon	AA
R713	VRD-HT2EY103J	J	10k 1/4W Carbon	AA
R714	VRS-RE3DA101J	J	100 2W M-Ox.	AC
R715	VRD-HT2HY274J	J	270k 1/2W Carbon	AA
R716	VRD-HT2HY274J	J	270k 1/2W Carbon	AA
R717	VRD-HT2EY183J	J	18k 1/4W Carbon	AA
R718	VRD-HT2EY562J	J	5.6k 1/4W Carbon	AA
R719	RR-HRSM3R0J3C	J	3 3W M-Ox.	
R720	VRD-HT2EY152J	J	1.5k 1/4W Carbon	AA
R721	VRD-HT2HY221J	J	220 1/2W Carbon	AA
R722	VRD-HT2EY680J	J	68 1/4W Carbon	AA
R723	VRD-HT2EY101J	J	100 1/4W Carbon	AA
R724	VRD-HT2EY471J	J	470 1/4W Carbon	AA
R725	VRD-HT2EY102J	J	1k 1/4W Carbon	AA
R726	VRD-HT2EY122J	J	1.2k 1/4W Carbon	AA
R727	VRD-HT2HY152J	J	1.5k 1/2W Carbon	
R728	VRD-HT2EY100J	J	10 1/4W Carbon	AA
R729	VRD-HT2EY101J	J	100 1/4W Carbon	AA
R730	VRD-HT2EY221J	J	220 1/4W Carbon	AA
R731	VRD-HT2EY102J	J	1k 1/4W Carbon	AA
R732	VRD-HT2EY103J	J	10k 1/4W Carbon	AA
R733	VRNHT2EK3601F	J	3.6k 1/4W Carbon	AB
R734	VRNHT2EK1500F	J	150 1/4W Carbon	
R735	VRNHT2EY1001F	J	1k 1/4W Carbon	
R736	VRD-HT2EY102J	J	1k 1/4W Carbon	AA
R737	VRD-HT2EY222J	J	2.2k 1/4W Carbon	AA
R738	VRD-HT2EY222J	J	2.2k 1/4W Carbon	AA
R739	VRD-HT2EY562J	J	5.6k 1/4W Carbon	AA
R740	VRD-HT2EY513J	J	51k 1/4W Carbon	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
å SW701	QSW-P0591CEZZ	J	Switch	AQ

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB701	RCORF1011SNEZ	J	Ferrite Bead	AC
FB702	RCORF1011SNEZ	J	Ferrite Bead	AC
å RL701	RRLYD1010SNEZ	J	Relay	AP
å F702	QFS-A1129SNEZ	J	Fuse T2A 250V TR-5	AF
CN702	QCNCM1003SNEZ	J	Connector, 3-pin	AD
CN703	QCNCM1766SNEZ	J	Connector, 12-pin	AD
	PRDAF1085SNEZ	J	Heat Sink	AQ
	PRDAF1073SNEZ	J	Heat Sink	AK

CPCi-0056CE51
PC I/F UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC1	RH-iX3270CEZZ	J	HD6417709	BH
IC2	9DK001-15061	J	PST600IM	AL
IC3	9DK001-11020	J	AT24C128N-10SC-1.8	AS
IC4	9DK001-15079	J	CXA3506R	BN
IC7	9DK001-15038	J	PQ05TZ11	AR
IC8	9DK001-15071	J	PQ20VZ11	AL
IC19	9DK001-15060	J	PST623XW	AP
IC27	RH-iX3430CEZZ	J	LH28F320S3NS-L11	BK
IC28	9DK001-11027	J	MSM51V181865F-60TS-K	AX
IC53	9DK001-12079	J	74LVX86MTC	AG
IC310	9DK001-15082	J	TLC5733A	BC
IC316	9DK001-15053	J	TL431CPS	AL
IC319	9DK001-11024	J	HY57V653220BTC-7	BN
IC320	9DK001-11024	J	HY57V653220BTC-7	BN
IC321	9DK001-11024	J	HY57V653220BTC-7	BN
IC322	9DK001-11024	J	HY57V653220BTC-7	BN
IC327	9DK001-15084	J	NJM4560M	AK
IC328	9DK001-15054	J	TLC2933IPW	AX
IC400	9DK001-12079	J	74LVX86MTC	AG
IC402	9DK001-12105	J	74LVX125MTC	AK
IC404	9DK001-12105	J	74LVX125MTC	AK
IC405	9DK001-15107	J	uPD4721G	AS
IC408	9DK001-12085	J	HD74HCT244T	AL
	or			
	9DK001-12086		74VHCT244AMTC	AL
IC410	9DK001-12085	J	HD74HCT244T	AL
	or			
	9DK001-12086		74VHCT244AMTC	AL
IC411	9DK001-12103	J	74LCX157MTC	AK
IC412	9DK001-15093	J	PQ1R33	AP
IC413	9DK001-15106	J	SiL168	BK
IC414	9DK001-11026	J	M24C32-WMN6	AT
IC415	9DK001-15109	J	BA09FP	AN
IC419	9DK001-12102	J	TC7WH123FK	AM
IC420	9DK001-12096	J	TC7WH126FK	AM
IC422	9DK001-12070	J	HD74HCT125T	AL
IC423	9DK001-12102	J	TC7WH123FK	AM
IC424	9DK001-12106	J	NC7S08P5	AG
IC8025	RH-iX3434CZZZQ	J	CViC	

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q12	9DK001-20025	J	IMB3A	AE
Q13	9DK001-20011	J	2SC2412KQ	AE
Q15	9DK001-20012	J	2SA1037AKQ	AE
Q102	9DK001-20036	J	NDC7002N	AL
Q103	9DK001-20011	J	2SC2412KQ	AE
Q104	9DK001-20011	J	2SC2412KQ	AE
Q105	9DK001-20011	J	2SC2412KQ	AE
Q107	9DK001-20011	J	2SC2412KQ	AE
Q108	9DK001-20011	J	2SC2412KQ	AE
Q109	9DK001-20011	J	2SC2412KQ	AE
Q110	9DK001-20011	J	2SC2412KQ	AE
Q111	9DK001-20012	J	2SA1037AKQ	AE
Q112	9DK001-20012	J	2SA1037AKQ	AE
Q113	9DK001-20012	J	2SA1037AKQ	AE
Q114	9DK001-20011	J	2SC2412KQ	AE
Q117	9DK001-20011	J	2SC2412KQ	AE
Q118	9DK001-20011	J	2SC2412KQ	AE
Q119	9DK001-20011	J	2SC2412KQ	AE
Q120	9DK001-20036	J	NDC7002N	AL

DIODES

Ref. No.	Part No.	★	Description	Code
D9	9DK001-30018	J	Diode 1SS187	AD
D20	9DK001-30018	J	Diode 1SS187	AD
D50	9DK001-30001	J	Diode 1SS193	AC
D51	9DK001-30001	J	Diode 1SS193	AC
D52	9DK001-30001	J	Diode 1SS193	AC
D53	9DK001-30001	J	Diode 1SS193	AC
D54	9DK001-30022	J	Diode MA3120WA	AG
D55	9DK001-30022	J	Diode MA3120WA	AG

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PC I/F UNIT

Ref. No.	Part No.	★	Description	Code
D56	9DK001-30022	J	Diode MA3120WA	AG
D57	9DK001-30022	J	Diode MA3120WA	AG
D70	9DK001-30020	J	Diode 1SS355	AD
D71	9DK001-30020	J	Diode 1SS355	AD
D72	9DK001-30020	J	Diode 1SS355	AD
D73	9DK001-30021	J	Diode 1SS400	AE
D75	9DK001-30018	J	Diode 1SS187	AD
D76	9DK001-30018	J	Diode 1SS187	AD
D77	9DK001-30021	J	Diode 1SS400	AE

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X1	9DK001-80012	J	Crystal, 6MHz	AN
X3	9DK001-80011	J	Crystal, FXO-31FL (1.8432MHz)	AS
X4	9DK001-80018	J	Crystal, FXO-31FL (25MHz)	AV
X5	9DK001-80029	J	Crystal, DS07515V (79.794MHz)	AV
X6	9DK001-80031	J	Crystal, 25.175MHz	AT

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL5	9DK001-81020	J	Filter BMK351	AG
FL6	9DK001-81020	J	Filter BMK351	AG
FL10	9DK001-81020	J	Filter BMK351	AG
FL20	9DK001-81020	J	Filter BMK351	AG
FL21	9DK001-81020	J	Filter BMK351	AG
FL22	9DK001-81020	J	Filter BMK351	AG
FL23	9DK001-81020	J	Filter BMK351	AG
FL29	9DK001-81020	J	Filter BMK351	AG
FL30	9DK001-81020	J	Filter BMK351	AG
FL31	9DK001-81020	J	Filter BMK351	AG
FL32	9DK001-81020	J	Filter BMK351	AG
FL94	9DK001-81020	J	Filter BMK351	AG
FL95	9DK001-81020	J	Filter BMK351	AG
FL96	9DK001-81020	J	Filter BMK351	AG
FL97	9DK001-81020	J	Filter BMK351	AG
FL200	9DK001-81020	J	Filter BMK351	AG
FL201	9DK001-81020	J	Filter BMK351	AG
FL204	9DK001-81020	J	Filter BMK351	AG
L1	9DK001-81052	J	Inductor NLC322522T-3R3M	AG
L2	9DK001-81052	J	Inductor NLC322522T-3R3M	AG
L3	9DK001-81052	J	Inductor NLC322522T-3R3M	AG
L4	9DK001-81052	J	Inductor NLC322522T-3R3M	AG
L22	9DK001-81052	J	Inductor NLC322522T-3R3M	AG
L100	9DK001-81052	J	Inductor NLC322522T-3R3M	AG
L101	9DK001-81052	J	Inductor NLC322522T-3R3M	AG

CAPACITORS

[EL.··· Electrolytic]

Ref. No.	Part No.	★	Description	Code
C1	9DK001-42094	J	0.1 25V Ceramic	AC
C2	9DK001-42094	J	0.1 25V Ceramic	AC
C6	9DK001-42096	J	0.01 50V Ceramic	AC
C7	9DK001-42096	J	0.01 50V Ceramic	AC
C8	9DK001-42096	J	0.01 50V Ceramic	AC
C9	9DK001-42096	J	0.01 50V Ceramic	AC
C10	9DK001-42131	J	10 10V Ceramic	AE
	or			
	9DK001-42118		10 25V Ceramic	AL
C12	9DK001-42103	J	15p 50V Ceramic	AC
C13	9DK001-42103	J	15p 50V Ceramic	AC
C14	9DK001-42096	J	0.01 50V Ceramic	AC
C15	9DK001-42131	J	10 10V Ceramic	AE
	or			
	9DK001-42118		10 25V Ceramic	AL
C17	9DK001-42096	J	0.01 50V Ceramic	AC
C18	9DK001-42096	J	0.01 50V Ceramic	AC
C19	9DK001-42104	J	470p 50V Ceramic	AC
C20	9DK001-42104	J	470p 50V Ceramic	AC
C21	9DK001-42096	J	0.01 50V Ceramic	AC
C22	9DK001-42096	J	0.01 50V Ceramic	AC
C23	9DK001-42096	J	0.01 50V Ceramic	AC
C24	9DK001-40077	J	10 16V EL.	AF
C25	9DK001-42096	J	0.01 50V Ceramic	AC
C26	9DK001-42096	J	0.01 50V Ceramic	AC
C27	9DK001-42096	J	0.01 50V Ceramic	AC
C28	9DK001-42096	J	0.01 50V Ceramic	AC
C29	9DK001-42096	J	0.01 50V Ceramic	AC
C30	9DK001-42105	J	0.047 50V Ceramic	AC
C31	9DK001-42094	J	0.1 25V Ceramic	AC
C32	9DK001-42094	J	0.1 25V Ceramic	AC
C33	9DK001-42094	J	0.1 25V Ceramic	AC
C34	9DK001-42096	J	0.01 50V Ceramic	AC
C35	9DK001-42096	J	0.01 50V Ceramic	AC
C36	9DK001-42096	J	0.01 50V Ceramic	AC
C37	9DK001-42096	J	0.01 50V Ceramic	AC
C38	9DK001-42096	J	0.01 50V Ceramic	AC
C42	9DK001-42096	J	0.01 50V Ceramic	AC
C43	9DK001-42096	J	0.01 50V Ceramic	AC
C51	9DK001-42096	J	0.01 50V Ceramic	AC
C52	9DK001-42096	J	0.01 50V Ceramic	AC
C53	9DK001-42096	J	0.01 50V Ceramic	AC
C62	9DK001-42094	J	0.1 25V Ceramic	AC
C70	9DK001-42094	J	0.1 25V Ceramic	AC
C78	9DK001-42094	J	0.1 25V Ceramic	AC
C79	9DK001-40089	J	47 6.3V EL.	AE
C80	9DK001-40079	J	47 16V EL.	AG
C81	9DK001-42096	J	0.01 50V Ceramic	AC
C82	9DK001-42096	J	0.01 50V Ceramic	AC
C83	9DK001-42096	J	0.01 50V Ceramic	AC
C84	9DK001-40089	J	47 6.3V EL.	AE
C96	9DK001-40089	J	47 6.3V EL.	AE
C110	9DK001-42094	J	0.1 25V Ceramic	AC
C111	9DK001-42094	J	0.1 25V Ceramic	AC
C112	9DK001-42094	J	0.1 25V Ceramic	AC
C113	9DK001-42111	J	1 10V Ceramic	AB
C114	9DK001-42094	J	0.1 25V Ceramic	AC
C115	9DK001-42094	J	0.1 25V Ceramic	AC
C116	9DK001-42094	J	0.1 25V Ceramic	AC
C117	9DK001-42094	J	0.1 25V Ceramic	AC
C118	9DK001-42094	J	0.1 25V Ceramic	AC
C119	9DK001-42094	J	0.1 25V Ceramic	AC
C120	9DK001-42094	J	0.1 25V Ceramic	AC
C121	9DK001-42094	J	0.1 25V Ceramic	AC
C122	9DK001-42111	J	1 10V Ceramic	AB
C123	9DK001-42094	J	0.1 25V Ceramic	AC
C124	9DK001-42094	J	0.1 25V Ceramic	AC
C125	9DK001-42094	J	0.1 25V Ceramic	AC
C126	9DK001-42094	J	0.1 25V Ceramic	AC
C127	9DK001-42099	J	100p 50V Ceramic	AC
C128	9DK001-42149	J	0.33 16V Film	AM
C130	9DK001-42099	J	100p 50V Ceramic	AC
C131	9DK001-42094	J	0.1 25V Ceramic	AC
C132	9DK001-42094	J	0.1 25V Ceramic	AC
C133	9DK001-42094	J	0.1 25V Ceramic	AC
C134	9DK001-42094	J	0.1 25V Ceramic	AC
C135	9DK001-42094	J	0.1 25V Ceramic	AC
C136	9DK001-42094	J	0.1 25V Ceramic	AC
C137	9DK001-42094	J	0.1 25V Ceramic	AC
C138	9DK001-42094	J	0.1 25V Ceramic	AC
C143	9DK001-42096	J	0.01 50V Ceramic	AC
C144	9DK001-40089	J	47 6.3V EL.	AE
C145	9DK001-42096	J	0.01 50V Ceramic	AC
C146	9DK001-40089	J	47 6.3V EL.	AE
C147	9DK001-42096	J	0.01 50V Ceramic	AC
C148	9DK001-40089	J	47 6.3V EL.	AE
C149	9DK001-42096	J	0.01 50V Ceramic	AC
C350	9DK001-42096	J	0.01 50V Ceramic	AC
C361	9DK001-40089	J	47 6.3V EL.	AE
C366	9DK001-40080	J	100 6.3V EL.	AF
C367	9DK001-40091	J	100 4V EL.	AF
C531	9DK001-40089	J	47 6.3V EL.	AE
C532	9DK001-42096	J	0.01 50V Ceramic	AC
C537	9DK001-40077	J	10 16V EL.	AF
C538	9DK001-42094	J	0.1 25V Ceramic	AC
C542	9DK001-40077	J	10 16V EL.	AF
C543	9DK001-42094	J	0.1 25V Ceramic	AC

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PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C544	9DK001-42102	J	2200p 50V Ceramic	AC
C545	9DK001-42102	J	2200p 50V Ceramic	AC
C546	9DK001-42102	J	2200p 50V Ceramic	AC
C550	9DK001-40077	J	10 16V EL.	AF
C551	9DK001-42094	J	0.1 25V Ceramic	AC
C552	9DK001-42094	J	0.1 25V Ceramic	AC
C553	9DK001-42094	J	0.1 25V Ceramic	AC
C554	9DK001-40077	J	10 16V EL.	AF
C555	9DK001-42094	J	0.1 25V Ceramic	AC
C556	9DK001-42094	J	0.1 25V Ceramic	AC
C557	9DK001-42094	J	0.1 25V Ceramic	AC
C558	9DK001-42094	J	0.1 25V Ceramic	AC
C559	9DK001-42131	J	10 10V Ceramic	AE
	or			
	9DK001-42118		10 25V Ceramic	AL
C562	9DK001-42094	J	0.1 25V Ceramic	AC
C563	9DK001-42094	J	0.1 25V Ceramic	AC
C564	9DK001-40106	J	33 6.3V OS	AR
C565	9DK001-42094	J	0.1 25V Ceramic	AC
C566	9DK001-42123	J	330p 50V Ceramic	AC
C573	9DK001-40089	J	47 6.3V EL.	AE
C574	9DK001-40089	J	47 6.3V EL.	AE
C575	9DK001-42096	J	0.01 50V Ceramic	AC
C576	9DK001-42096	J	0.01 50V Ceramic	AC
C577	9DK001-42096	J	0.01 50V Ceramic	AC
C578	9DK001-42096	J	0.01 50V Ceramic	AC
C579	9DK001-42096	J	0.01 50V Ceramic	AC
C580	9DK001-42096	J	0.01 50V Ceramic	AC
C581	9DK001-42096	J	0.01 50V Ceramic	AC
C582	9DK001-42096	J	0.01 50V Ceramic	AC
C583	9DK001-42096	J	0.01 50V Ceramic	AC
C584	9DK001-42096	J	0.01 50V Ceramic	AC
C585	9DK001-42096	J	0.01 50V Ceramic	AC
C586	9DK001-42096	J	0.01 50V Ceramic	AC
C587	9DK001-40089	J	47 6.3V EL.	AE
C588	9DK001-40089	J	47 6.3V EL.	AE
C589	9DK001-42096	J	0.01 50V Ceramic	AC
C590	9DK001-42096	J	0.01 50V Ceramic	AC
C591	9DK001-42096	J	0.01 50V Ceramic	AC
C592	9DK001-42096	J	0.01 50V Ceramic	AC
C593	9DK001-42096	J	0.01 50V Ceramic	AC
C594	9DK001-42096	J	0.01 50V Ceramic	AC
C595	9DK001-42096	J	0.01 50V Ceramic	AC
C596	9DK001-42096	J	0.01 50V Ceramic	AC
C597	9DK001-42096	J	0.01 50V Ceramic	AC
C598	9DK001-42096	J	0.01 50V Ceramic	AC
C599	9DK001-42096	J	0.01 50V Ceramic	AC
C600	9DK001-42096	J	0.01 50V Ceramic	AC
C697	9DK001-42096	J	0.01 50V Ceramic	AC
C698	9DK001-42152	J	0.47 16V Ceramic	AC
C700	9DK001-42152	J	0.47 16V Ceramic	AC
C702	9DK001-42152	J	0.47 16V Ceramic	AC
C704	9DK001-42111	J	1 10V Ceramic	AB
C705	9DK001-42145	J	0.1 16V Film	AK
C706	9DK001-42096	J	0.01 50V Ceramic	AC
C715	9DK001-42096	J	0.01 50V Ceramic	AC
C716	9DK001-42096	J	0.01 50V Ceramic	AC
C717	9DK001-42096	J	0.01 50V Ceramic	AC
C741	9DK001-40089	J	47 6.3V EL.	AE
C757	9DK001-42113	J	4.7 10V Ceramic	AB
C759	9DK001-42096	J	0.01 50V Ceramic	AC
C762	9DK001-42094	J	0.1 25V Ceramic	AC
C763	9DK001-42094	J	0.1 25V Ceramic	AC
C764	9DK001-42094	J	0.1 25V Ceramic	AC
C766	9DK001-42094	J	0.1 25V Ceramic	AC
C767	9DK001-40104	J	6.8 10V OS	AP
C768	9DK001-42111	J	1 10V Ceramic	AB
C769	9DK001-42113	J	4.7 10V Ceramic	AB
C776	9DK001-40104	J	6.8 10V OS	AP
C777	9DK001-42094	J	0.1 25V Ceramic	AC
C800	9DK001-42094	J	0.1 25V Ceramic	AC

Ref. No.	Part No.	★	Description	Code
C802	9DK001-42094	J	0.1 25V Ceramic	AC
C803	9DK001-42094	J	0.1 25V Ceramic	AC
C804	9DK001-40103	J	2.2 50V EL.	AE
C805	9DK001-40103	J	2.2 50V EL.	AE
C806	9DK001-40103	J	2.2 50V EL.	AE
C807	9DK001-40103	J	2.2 50V EL.	AE
C808	9DK001-40103	J	2.2 50V EL.	AE
C813	9DK001-42094	J	0.1 25V Ceramic	AC
C814	9DK001-42094	J	0.1 25V Ceramic	AC
C815	9DK001-42094	J	0.1 25V Ceramic	AC
C816	9DK001-42094	J	0.1 25V Ceramic	AC
C817	9DK001-42094	J	0.1 25V Ceramic	AC
C818	9DK001-42094	J	0.1 25V Ceramic	AC
C819	9DK001-42094	J	0.1 25V Ceramic	AC
C820	9DK001-42094	J	0.1 25V Ceramic	AC
C821	9DK001-42094	J	0.1 25V Ceramic	AC
C822	9DK001-42094	J	0.1 25V Ceramic	AC
C823	9DK001-42094	J	0.1 25V Ceramic	AC
C824	9DK001-42094	J	0.1 25V Ceramic	AC
C825	9DK001-42094	J	0.1 25V Ceramic	AC
C826	9DK001-42094	J	0.1 25V Ceramic	AC
C827	9DK001-42094	J	0.1 25V Ceramic	AC
C828	9DK001-42094	J	0.1 25V Ceramic	AC
C829	9DK001-42094	J	0.1 25V Ceramic	AC
C830	9DK001-42094	J	0.1 25V Ceramic	AC
C831	9DK001-42094	J	0.1 25V Ceramic	AC
C832	9DK001-42094	J	0.1 25V Ceramic	AC
C833	9DK001-42094	J	0.1 25V Ceramic	AC
C834	9DK001-42094	J	0.1 25V Ceramic	AC
C835	9DK001-42094	J	0.1 25V Ceramic	AC
C836	9DK001-42094	J	0.1 25V Ceramic	AC
C837	9DK001-42094	J	0.1 25V Ceramic	AC
C838	9DK001-42094	J	0.1 25V Ceramic	AC
C839	9DK001-42094	J	0.1 25V Ceramic	AC
C840	9DK001-42094	J	0.1 25V Ceramic	AC
C841	9DK001-42094	J	0.1 25V Ceramic	AC
C842	9DK001-42094	J	0.1 25V Ceramic	AC
C843	9DK001-42094	J	0.1 25V Ceramic	AC
C844	9DK001-42094	J	0.1 25V Ceramic	AC
C845	9DK001-42094	J	0.1 25V Ceramic	AC
C846	9DK001-42094	J	0.1 25V Ceramic	AC
C847	9DK001-40080	J	100 6.3V EL.	AF
C848	9DK001-42094	J	0.1 25V Ceramic	AC
C849	9DK001-40080	J	100 6.3V EL.	AF
C850	9DK001-40092	J	220 4V EL.	AF
C851	9DK001-40080	J	100 6.3V EL.	AF
C852	9DK001-40089	J	47 6.3V EL.	AE
C853	9DK001-42096	J	0.01 50V Ceramic	AC
C854	9DK001-40079	J	47 16V EL.	AG
C855	9DK001-42133	J	82p 50V Ceramic	AC
C856	9DK001-42094	J	0.1 25V Ceramic	AC
C857	9DK001-40077	J	10 16V EL.	AF
C858	9DK001-42133	J	82p 50V Ceramic	AC
C859	9DK001-42094	J	0.1 25V Ceramic	AC
C860	9DK001-40077	J	10 16V EL.	AF
C863	9DK001-42133	J	82p 50V Ceramic	AC
C864	9DK001-42133	J	82p 50V Ceramic	AC
C865	9DK001-42133	J	82p 50V Ceramic	AC
C867	9DK001-40077	J	10 16V EL.	AF
C868	9DK001-42094	J	0.1 25V Ceramic	AC
C869	9DK001-42094	J	0.1 25V Ceramic	AC
C870	9DK001-42133	J	82p 50V Ceramic	AC
C872	9DK001-42094	J	0.1 25V Ceramic	AC
C874	9DK001-42133	J	82p 50V Ceramic	AC
C875	9DK001-42133	J	82p 50V Ceramic	AC
C876	9DK001-42094	J	0.1 25V Ceramic	AC
C878	9DK001-42094	J	0.1 25V Ceramic	AC
C879	9DK001-42133	J	82p 50V Ceramic	AC
C880	9DK001-42152	J	0.47 16V Ceramic	AC
C881	9DK001-42094	J	0.1 25V Ceramic	AC
C882	9DK001-40078	J	22 16V EL.	AF
C883	9DK001-42094	J	0.1 25V Ceramic	AC
C884	9DK001-42094	J	0.1 25V Ceramic	AC
C885	9DK001-42094	J	0.1 25V Ceramic	AC
C886	9DK001-42152	J	0.47 16V Ceramic	AC

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PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C887	9DK001-42151	J	120p 50V Ceramic	AC
C888	9DK001-42151	J	120p 50V Ceramic	AC
C889	9DK001-42151	J	120p 50V Ceramic	AC
C890	9DK001-40077	J	10 16V EL.	AF
C891	9DK001-40077	J	10 16V EL.	AF
C894	9DK001-42094	J	0.1 25V Ceramic	AC
C895	9DK001-42094	J	0.1 25V Ceramic	AC
C896	9DK001-42094	J	0.1 25V Ceramic	AC
C897	9DK001-42094	J	0.1 25V Ceramic	AC
C898	9DK001-42099	J	100p 50V Ceramic	AC
C899	9DK001-42099	J	100p 50V Ceramic	AC
C900	9DK001-42099	J	100p 50V Ceramic	AC
C904	9DK001-42094	J	0.1 25V Ceramic	AC
C905	9DK001-42094	J	0.1 25V Ceramic	AC
C907	9DK001-42094	J	0.1 25V Ceramic	AC
C908	9DK001-42096	J	0.01 50V Ceramic	AC
C913	9DK001-42094	J	0.1 25V Ceramic	AC
C916	9DK001-42094	J	0.1 25V Ceramic	AC
C917	9DK001-42096	J	0.01 50V Ceramic	AC
C918	9DK001-42096	J	0.01 50V Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R10	9DK001-51030	J	10k 1/16W Resistor Array	AD
R11	9DK001-51030	J	10k 1/16W Resistor Array	AD
R16	9DK001-50198	J	1.69k 1.16W Chip1608	AB
R17	9DK001-50210	J	33k 1/16W Chip1608	AA
R18	9DK001-50199	J	2.15k 1/16W Chip1608	AB
R19	9DK001-51030	J	10k 1/16W Resistor Array	AD
R21	9DK001-50149	J	0 1/16W Chip1608	AB
R22	9DK001-50185	J	10k 1/16W Chip1608	AA
R27	9DK001-50209	J	27k 1/16W Chip1608	AA
R29	9DK001-51030	J	10k 1/16W Resistor Array	AD
R33	9DK001-51030	J	10k 1/16W Resistor Array	AD
R34	9DK001-51030	J	10k 1/16W Resistor Array	AD
R35	9DK001-51030	J	10k 1/16W Resistor Array	AD
R36	9DK001-51030	J	10k 1/16W Resistor Array	AD
R40	9DK001-50163	J	68 1/16W Chip1608	AA
R43	9DK001-51030	J	10k 1/16W Resistor Array	AD
R44	9DK001-51030	J	10k 1/16W Resistor Array	AD
R50	9DK001-51030	J	10k 1/16W Resistor Array	AD
R51	9DK001-51030	J	10k 1/16W Resistor Array	AD
R57	9DK001-51030	J	10k 1/16W Resistor Array	AD
R58	9DK001-51030	J	10k 1/16W Resistor Array	AD
R62	9DK001-51029	J	10 1/16W Resistor Array	AD
R65	9DK001-51030	J	10k 1/16W Resistor Array	AD
R75	9DK001-50149	J	0 1/16W Chip1608	AB
R80	9DK001-50103	J	270 1/10W Chip2125	AB
R83	9DK001-50149	J	0 1/16W Chip1608	AB
R88	9DK001-50103	J	270 1/10W Chip2125	AB
R91	9DK001-50149	J	0 1/16W Chip1608	AB
R96	9DK001-50103	J	270 1/10W Chip2125	AB
R121	9DK001-50065	J	47 1/4W Chip3216	AF
R122	9DK001-50065	J	47 1/4W Chip3216	AF
R123	9DK001-50256	J	1.6k 1/16W Chip1608	AB
R124	9DK001-50237	J	1.0k 1/16W Chip1608	AA
R128	9DK001-50150	J	10 1/16W Chip1608	AA
R132	9DK001-50156	J	3.3k 1/16W Chip1608	AB
R133	9DK001-50155	J	3k 1/16W Chip1608	AB
R138	9DK001-50149	J	0 1/16W Chip1608	AB
R140	9DK001-50149	J	0 1/16W Chip1608	AB
R289	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R340	9DK001-50185	J	10k 1/16W Chip1608	AA
R650	9DK001-50185	J	10k 1/16W Chip1608	AA
R651	9DK001-51037	J	6.8k 1/16W Resistor Array	AD
R652	9DK001-51030	J	10k 1/16W Resistor Array	AD
R654	9DK001-50204	J	150 1/16W Chip1608	AA
R656	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R664	9DK001-50259	J	15k 1/16W Chip1608	AA
R665	9DK001-50259	J	15k 1/16W Chip1608	AA
R671	9DK001-50259	J	15k 1/16W Chip1608	AA
R677	9DK001-50173	J	470 1/16W Chip1608	AA
R678	9DK001-50254	J	1.2k 1/16W Chip1608	AB
R680	9DK001-50155	J	3k 1/16W Chip1608	AB
R681	9DK001-50155	J	3k 1/16W Chip1608	AB
R682	9DK001-50254	J	1.2k 1/16W Chip1608	AB
R687	9DK001-50173	J	470 1/16W Chip1608	AA
R688	9DK001-50201	J	15 1/16W Chip1608	AA
R689	9DK001-50173	J	470 1/16W Chip1608	AA
R690	9DK001-50205	J	1.8k 1/16W Chip1608	AA
R691	9DK001-50205	J	1.8k 1/16W Chip1608	AA
R692	9DK001-50159	J	22 1/16W Chip1608	AA
R693	9DK001-50159	J	22 1/16W Chip1608	AA
R694	9DK001-50159	J	22 1/16W Chip1608	AA
R695	9DK001-50159	J	22 1/16W Chip1608	AA
R696	9DK001-50185	J	10k 1/16W Chip1608	AA
R697	9DK001-50185	J	10k 1/16W Chip1608	AA
R698	9DK001-50185	J	10k 1/16W Chip1608	AA
R699	9DK001-50185	J	10k 1/16W Chip1608	AA
R702	9DK001-51030	J	10k 1/16W Resistor Array	AD
R708	9DK001-51030	J	10k 1/16W Resistor Array	AD
R730	9DK001-50175	J	680 1/16W Chip1608	AA
R731	9DK001-50271	J	620 1/16W Chip1608	AA
R733	9DK001-50185	J	10k 1/16W Chip1608	AA
R734	9DK001-50185	J	10k 1/16W Chip1608	AA
R735	9DK001-50185	J	10k 1/16W Chip1608	AA
R736	9DK001-50185	J	10k 1/16W Chip1608	AA
R737	9DK001-50185	J	10k 1/16W Chip1608	AA
R738	9DK001-50185	J	10k 1/16W Chip1608	AA
R739	9DK001-50185	J	10k 1/16W Chip1608	AA
R740	9DK001-50185	J	10k 1/16W Chip1608	AA
R742	9DK001-50149	J	0 1/16W Chip1608	AB
R743	9DK001-50205	J	1.8k 1/16W Chip1608	AA
R745	9DK001-50149	J	0 1/16W Chip1608	AB
R747	9DK001-50149	J	0 1/16W Chip1608	AB
R749	9DK001-50149	J	0 1/16W Chip1608	AB
R757	9DK001-50149	J	0 1/16W Chip1608	AB
R758	9DK001-50149	J	0 1/16W Chip1608	AB
R758	9DK001-50185	J	10k 1/16W Chip1608	AA
R759	9DK001-50177	J	1k 1/16W Chip1608	AA
R760	9DK001-50177	J	1k 1/16W Chip1608	AA
R763	9DK001-50149	J	0 1/16W Chip1608	AB
R764	9DK001-50149	J	0 1/16W Chip1608	AB
R765	9DK001-50149	J	0 1/16W Chip1608	AB
R867	9DK001-50217	J	510 1/16W Chip1608	AA
R868	9DK001-50217	J	510 1/16W Chip1608	AA
R869	9DK001-50217	J	510 1/16W Chip1608	AA
R876	9DK001-50149	J	0 1/16W Chip1608	AB
R877	9DK001-50185	J	10k 1/16W Chip1608	AA
R879	9DK001-50149	J	0 1/16W Chip1608	AB
R881	9DK001-50149	J	0 1/16W Chip1608	AB
R883	9DK001-50149	J	0 1/16W Chip1608	AB
R885	9DK001-50149	J	0 1/16W Chip1608	AB
R887	9DK001-50149	J	0 1/16W Chip1608	AB
R901	9DK001-50113	J	0 1/4W Chip3216	AB
R911	9DK001-50121	J	10 1/10W Chip2125	AB
R912	9DK001-50121	J	10 1/10W Chip2125	AB
R920	9DK001-50165	J	100 1/16W Chip1608	AA
R921	9DK001-50165	J	100 1/16W Chip1608	AA
R922	9DK001-50185	J	10k 1/16W Chip1608	AA
R924	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R925	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R926	9DK001-50149	J	0 1/16W Chip1608	AB
R927	9DK001-50165	J	100 1/16W Chip1608	AA
R928	9DK001-50165	J	100 1/16W Chip1608	AA
R929	9DK001-50165	J	100 1/16W Chip1608	AA
R930	9DK001-50165	J	100 1/16W Chip1608	AA
R934	9DK001-51040	J	68 1/16W Resistor Array	AD
R936	9DK001-51040	J	68 1/16W Resistor Array	AD
R937	9DK001-51040	J	68 1/16W Resistor Array	AD
R939	9DK001-51040	J	68 1/16W Resistor Array	AD
R940	9DK001-51040	J	68 1/16W Resistor Array	AD
R941	9DK001-51040	J	68 1/16W Resistor Array	AD
R947	9DK001-51039	J	56 1/16W Resistor Array	AD
R951	9DK001-51037	J	6.8k 1/16W Resistor Array	AD
R959	9DK001-51040	J	68 1/16W Resistor Array	AD
R960	9DK001-51040	J	68 1/16W Resistor Array	AD

CPCi-0056CE51

PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R961	9DK001-51040	J	68 1/16W Resistor Array	AD
R962	9DK001-51040	J	68 1/16W Resistor Array	AD
R963	9DK001-51040	J	68 1/16W Resistor Array	AD
R964	9DK001-51040	J	68 1/16W Resistor Array	AD
R965	9DK001-51040	J	68 1/16W Resistor Array	AD
R966	9DK001-51040	J	68 1/16W Resistor Array	AD
R967	9DK001-51040	J	68 1/16W Resistor Array	AD
R968	9DK001-51040	J	68 1/16W Resistor Array	AD
R969	9DK001-51040	J	68 1/16W Resistor Array	AD
R970	9DK001-51040	J	68 1/16W Resistor Array	AD
R971	9DK001-51042	J	33 1/16W Resistor Array	AD
R972	9DK001-51042	J	33 1/16W Resistor Array	AD
R973	9DK001-51042	J	33 1/16W Resistor Array	AD
R974	9DK001-51042	J	33 1/16W Resistor Array	AD
R975	9DK001-51042	J	33 1/16W Resistor Array	AD
R976	9DK001-51042	J	33 1/16W Resistor Array	AD
R977	9DK001-50185	J	10k 1/16W Chip1608	AA
R978	9DK001-50163	J	68 1/16W Chip1608	AA
R979	9DK001-50149	J	0 1/16W Chip1608	AB
R980	9DK001-50149	J	0 1/16W Chip1608	AB
R993	9DK001-50149	J	0 1/16W Chip1608	AB
R998	9DK001-50149	J	0 1/16W Chip1608	AB
R999	9DK001-50217	J	510 1/16W Chip1608	AA
R1000	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1001	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1002	9DK001-50165	J	100 1/16W Chip1608	AA
R1003	9DK001-50165	J	100 1/16W Chip1608	AA
R1004	9DK001-50177	J	1k 1/16W Chip1608	AA
R1005	9DK001-50177	J	1k 1/16W Chip1608	AA
R1006	9DK001-50179	J	2.2k 1/16W Chip1608	AA
R1007	9DK001-50177	J	1k 1/16W Chip1608	AA
R1008	9DK001-50177	J	1k 1/16W Chip1608	AA
R1009	9DK001-50179	J	2.2k 1/16W Chip1608	AA
R1011	9DK001-50210	J	33k 1/16W Chip1608	AA
R1012	9DK001-50177	J	1k 1/16W Chip1608	AA
R1013	9DK001-50161	J	47 1/16W Chip1608	AA
R1015	9DK001-50161	J	47 1/16W Chip1608	AA
R1017	9DK001-50161	J	47 1/16W Chip1608	AA
R1019	9DK001-50179	J	2.2k 1/16W Chip1608	AA
R1022	9DK001-50181	J	3.3k 1/16W Chip1608	AA
R1023	9DK001-50181	J	3.3k 1/16W Chip1608	AA
R1024	9DK001-50181	J	3.3k 1/16W Chip1608	AA
R1025	9DK001-50149	J	0 1/16W Chip1608	AB
R1026	9DK001-50169	J	220 1/16W Chip1608	AA
R1027	9DK001-50169	J	220 1/16W Chip1608	AA
R1028	9DK001-50169	J	220 1/16W Chip1608	AA
R1029	9DK001-50190	J	1M 1/16W Chip1608	AA
R1030	9DK001-50177	J	1k 1/16W Chip1608	AA
R1031	9DK001-50186	J	22k 1/16W Chip1608	AA
R1032	9DK001-50212	J	100k 1/16W Chip1608	AA
R1033	9DK001-50177	J	1k 1/16W Chip1608	AA
R1034	9DK001-50177	J	1k 1/16W Chip1608	AA
R1035	9DK001-50212	J	100k 1/16W Chip1608	AA
R1036	9DK001-50177	J	1k 1/16W Chip1608	AA
R1037	9DK001-50186	J	22k 1/16W Chip1608	AA
R1038	9DK001-50212	J	100k 1/16W Chip1608	AA
R1042	9DK001-50177	J	1k 1/16W Chip1608	AA
R1043	9DK001-50177	J	1k 1/16W Chip1608	AA
R1044	9DK001-50177	J	1k 1/16W Chip1608	AA
R1045	9DK001-50174	J	560 1/16W Chip1608	AA
R1048	9DK001-50161	J	47 1/16W Chip1608	AA
R1049	9DK001-50161	J	47 1/16W Chip1608	AA
R1050	9DK001-50161	J	47 1/16W Chip1608	AA
R1051	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1052	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1053	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1054	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1055	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1056	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1058	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1059	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1060	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1061	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1062	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1077	9DK001-50207	J	6.8k 1/16W Chip1608	AA
R1079	9DK001-51039	J	56 1/16W Resistor Array	AD
R1082	9DK001-50159	J	22 1/16W Chip1608	AA
R1083	9DK001-50177	J	1k 1/16W Chip1608	AA
R1084	9DK001-50185	J	10k 1/16W Chip1608	AA
R1085	9DK001-50207	J	6.8k 1/16W Chip1608	AA
R1089	9DK001-50165	J	100 1/16W Chip1608	AA
R1099	9DK001-50149	J	0 1/16W Chip1608	AB
R1101	9DK001-51039	J	56 1/16W Resistor Array	AD
R1102	9DK001-51039	J	56 1/16W Resistor Array	AD
R1104	9DK001-50165	J	100 1/16W Chip1608	AA
R1105	9DK001-50185	J	10k 1/16W Chip1608	AA
R1107	9DK001-50177	J	1k 1/16W Chip1608	AA
R1108	9DK001-50214	J	16k 1/16W Chip1608	AB
R1110	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R1120	9DK001-50149	J	0 1/16W Chip1608	AB
R1121	9DK001-50149	J	0 1/16W Chip1608	AB
R1122	9DK001-50149	J	0 1/16W Chip1608	AB
R1123	9DK001-50149	J	0 1/16W Chip1608	AB
R1124	9DK001-50149	J	0 1/16W Chip1608	AB
R1125	9DK001-50149	J	0 1/16W Chip1608	AB
R1126	9DK001-50088	J	10 1/4W Chip3216	AB
R1127	9DK001-50185	J	10k 1/16W Chip1608	AA
R1128	9DK001-50161	J	47 1/16W Chip1608	AA
FB15	9DK001-50110	J	0 1/10W Chip2125	AB
FB18	9DK001-50110	J	0 1/10W Chip2125	AB
FB19	9DK001-50110	J	0 1/10W Chip2125	AB
FL1	9DK001-50110	J	0 1/10W Chip2125	AB
FL98	9DK001-50080	J	33 1/10W Chip2125	AB
FL99	9DK001-50110	J	0 1/10W Chip2125	AB
FL102	9DK001-50110	J	0 1/10W Chip2125	AB
FL110	9DK001-50110	J	0 1/10W Chip2125	AB

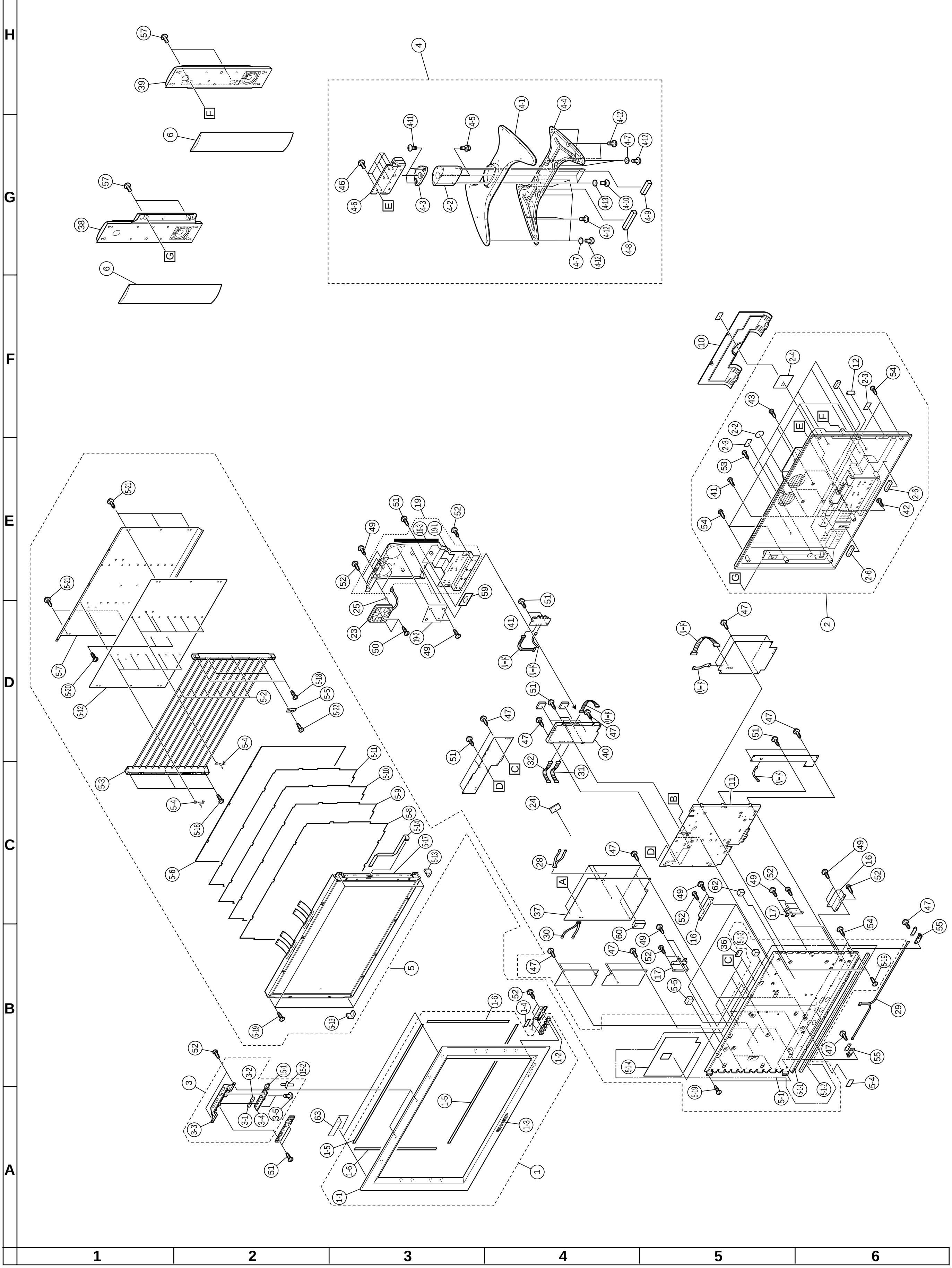
SWITCH

Ref. No.	Part No.	★	Description	Code
S1	9DK001-70012	J	Switch Slide	AL

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB50	9DK001-81060	J	Ferrite Bead Chip2125	AF
FB51	9DK001-81060	J	Ferrite Bead Chip2125	AF
FB52	9DK001-81060	J	Ferrite Bead Chip2125	AF
FB53	9DK001-81060	J	Ferrite Bead Chip2125	AF
CN1	9DK001-60074	J	Connector, 15-pin	AL
CN3	9DK001-60053	J	Connector, 29-pin	AZ
CN5	9DK001-60066	J	Connector, JEY-9P-1A3F	AT
CN6	9DK001-60067	J	Connector, 30-pin	AK
CN7	9DK001-60058	J	Connector, 50-pin	AS
CN8	9DK001-60070	J	Connector, 12-pin	AH
CN9	9DK001-60071	J	Connector, 13-pin	AH

CABINET AND MECHANICAL PARTS (LCD)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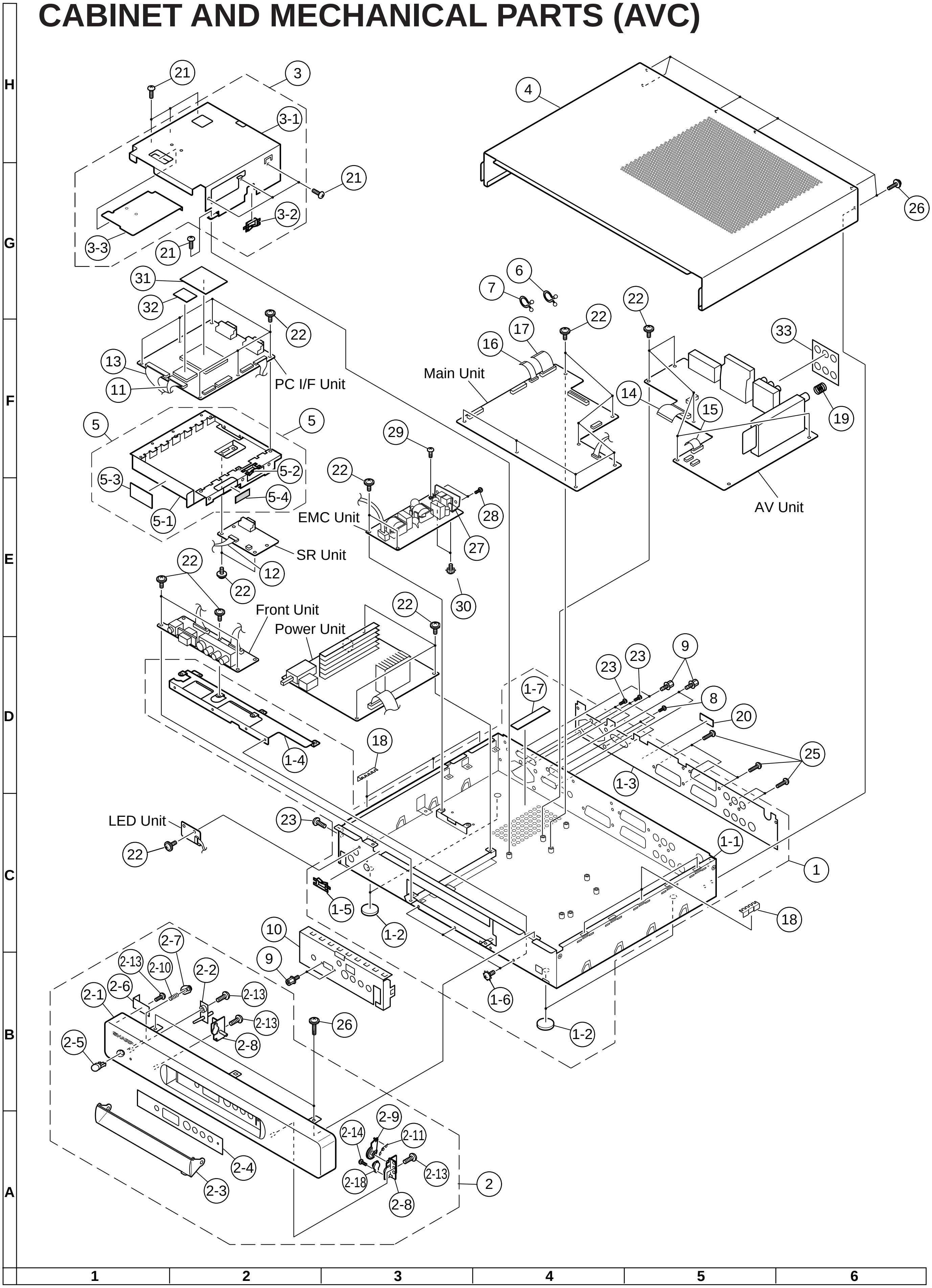
CABINET AND MECHANICAL PARTS (LCD)

Ref. No.	Part No.	★	Description	Code
1	CCABA2471CE01	J	Front Cabinet Ass'y	
1-1	————————	J	Front Cabinet	
1-2	GCOVA2064CESA	J	R/C LED Cover	
1-3	HBDGB3164CESA	J	SHARP Badge	
1-4	PSPAG0432CEUZ	J	Spacer	
1-5	PSPAH0711CEZZ	J	Spacer	
1-6	PSPAH0712CEZZ	J	Spacer	
2	CCABB23571CE01	J	Rear Cabinet Ass'y	
2-1	————————	J	Rear Cabinet	
2-2	HINDP5733CESA	J	AQUOS Label	
2-3	HINDP7591CESA	J	Speaker Indicator	
2-4	HINDP5970CESA	J	Model Label	
2-6	PSPAZA043WJZZ	J	Coin Cover	
3	CCOVA2113CE01	J	Operation Unit Cover Ass'y	
3-1	GCOVA1943CEKA	J	Sound Button Cap	
3-2	GCOVA1943CEKB	J	Channel Button Cap	
3-3	————————	J	Operation Unit Cover	
3-4	JBTN-2085CEKA	J	Operation Button	
3-5	XEBSD30P08000	J	Operation Button Fixing Screw, x2	
4	CDAI-3054CE01	J	Stand Ass'y	
4-1	GDAI-0105CESA	J	Stand Base	
4-2	GDAI-3055CESA	J	Stand Pirror	
4-3	GDAI-3056CESA	J	Stand Joint	
4-4	LANGK0797CESA	J	Base Angle	
4-5	LX-BZ3441CEFN	J	Hinge Fixing Screw	
4-6	MHNG-3048CESA	J	Hinge Ass'y	
4-7	PSPAZ0448CEZZ	J	Foot Cushion	
4-8	PSPAZ0475CEZZ	J	Foot Cushion A	
4-9	PSPAZ0476CEZZ	J	Foot Cushion B	
4-10	XCBSF50P25000	J	Screw, x4	
4-11	XCSSN50P25000	J	Screw, x4	
4-12	XEBSF40P10000	J	Base Angle Fixing Screw, x12	
4-13	XWHSF50-16120	J	Washer(Black), x4	
5	CLCDTA001DE02	J	LCD Display Ass'y (30")	
5-1	CSLDM4713CE02	J	Back Side Shield Ass'y	
5-1-1	PSLDM4713CEFN	J	Shield	
5-1-2	PSPAZ0461CEZZ	J	Spacer	
5-1-3	PSPAZA003WJZZ	J	Spacer, x4	
5-1-4	PZETE0043CEKZ	J	Insulation Sheet	
5-2	KLMP-0128CEZZ	J	Lamp	
5-3	LHLDZ2187CEKZ	J	Lamp Holder	
5-4	LHLDZA032WJZZ	J	Lamp Clip	
5-5	MSPRP1220CEFW	J	ITO Earth Spring	
5-6	PCOVU0109CEZZ	J	Diffusion Board	
5-7	PMIR-0298CEZZ	J	Reflection Board	
5-8	PSHEP0298CEZZ	J	D-BEF Sheet	
5-9	PSHEP0299CEZZ	J	Prizm Sheet	
5-10	PSHEP0300CEZZ	J	Diffusion Sheet	
5-11	PSHEP0301CEZZ	J	ITO Sheet	
5-12	PSHEP0305CEZZ	J	Reflection Sheet	
5-13	PSPAZ0462CEZZ	J	Spacer, x2	
5-14	QCNW-A142WJZZ	J	28 GATE DRIVER	
5-15	QCNW-A143WJZZ	J	28 SOUSE DRIVER	
5-16	QCNW-A144WJZZ	J	28 SOUSE DRIVER	
5-17	RLCDTA010WJZZ	J	LCD Panel(XGA)1	
5-18	XBBSD30P08000	J	Screw, x6	
5-19	XBPSD30P08JS0	J	Screw, x4	
5-20	XBPSE30P05JS0	J	Screw, x2	
5-21	XEBSD20P05000	J	Screw, x6	
5-22	XEBSD30P08000	J	Screw, x2	
6	CPNLS0104CE01	J	Speaker Net Ass'y	
10	GCOVA2125CEKA	J	Terminal Cover (Boottom)	
11	GCOVA2114CEKA	J	Chassis Frame	
12	GCOVA2072CEKA	J	Connector Cover	
15-1	JBTN-2084CEKA	J	Power Button	
15-2	LHLDZ2199CEZZ	J	Power Button Holder	
15-3	PSPAZA002WJZZ	J	Both Sides tape	
15-4	PSPAZA045WJZZ	J	PWB Spacer	
16	LANGK0789CEFW	J	Reinforce Angle	
17	LANGK0792CEFW	J	Speaker Angle (Left)	
19	CANGK0807CE02	J	Center Angle Ass'y	
19-1	LANGK0807CEFN	J	Center Angle	
19-2	PCOVNA001WJKZ	J	Fan Cover	
21	LHLDW1003GEZZ	J	Wire Holder	
22	LHLDW1072GEZZ	J	Wire Holder	
23	NFANR0126CEZZ	J	DC Fan	
24	PSLDM4507CEZZ	J	Shield	
25	PSPAG0234CE00	J	Spacer, x8	
28	QCNW-A176WJZZ	J	Connector, MAIN-POWER	
29	QCNW-A178WJZZ	J	Connector, MAIN-SP	
30	QCNW-A180WJZZ	J	Connector, POWER-INV	
31	QCNW-A182WJZZ	J	Connector, POWER-MSC	
32	QCNW-A183WJZZ	J	Connector, POWER-MSC	
36	RCORFA007WJZZ	J	Core	
37	RDENC0336CEZZ	J	Power Unit	
38	RSP-ZA011WJN1	J	Speaker (L)	
39	RSP-ZA011WJN2	J	Speaker (R)	
40	RUNTK0706CEZZ	J	Multi Scan Board	
42	XBBSF30P06000	J	Screw for AC Outlet, x2	
43	XBBSF40P14000	J	Screw for Base Angle , x4	
46	XBBSN40P10R00	J	Screw for Stand, x6	
47	XBPSD30P08JS0	J	Screw, x27	
49	XBPSF30P06JS0	J	Screw, x22	
50	XBPSN30P20XS0	J	Screw for Fan, x4	
51	XEBSD30P06000	J	Screw, x7	
52	XEBSF30P08000	J	Screw, x22	
53	XEBSF30P10000	J	Screw, x1	
54	XEBSF40P16000	J	Screw, x11	
55	LHLDZ2183CEZZ	J	SP Jack Holder	
57	XBBSF40P25000	J	Screw for SP, x4	
58	XBBSN30P06000	J	Screw for Relay PWB, 2	
59	PSPAKA003WJZZ	J	Insulation Sheet	
60	PSPAZA012WJZZ	J	Spacer	
61	TLABN0417CEZZ	J	Production No. Label	
62	LHLDWA005WJZZ	J	Core Holder	
63	PSPAKA004WJZZ	J	Tape Holder	

CABINET AND MECHANICAL PARTS (AVC)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CABINET AND MECHANICAL PARTS (AVC)

Ref. No.	Part No.	★	Description	Code
1	CCABA3171CE01	J	Bottom Cabinet Ass'y	
1-1	*Not Available*	–	Bottom Cabinet	—
1-2	GLEGG9017CE00	J	Rubber Leg, x4	AC
1-3	HiNDP5962CESA	J	Indication Panel	
1-4	LANGT9035CEFW	J	PWB Fixing Angle	
1-5	LHLDW1021GE00	J	Holder	AB
1-6	XBPSD30P06R00	J	Screw, x3	AB
1-7	QEARZA007WJZZ	J	Gasket	
2	CWAKP1468CE01	J	Front Cabinet Ass'y	
2-1	*Not Available*	–	Front Cabinet	—
2-2	GCOVA2034CEZZ	J	LED Cover	
2-3	GDORF3027CEKA	J	Door	
2-4	HiNDP5841CESA	J	Indication Panel	
2-5	JBTN-2074CEKA	J	Power Button	
2-6	LANGF9660CEFW	J	Fixing Metal	
2-7	LHLDZ2178CEZZ	J	Button Holder	
2-8	LHLDZ2179CEZZ	J	Damper Holder, x2	
2-9	LHLDZ2180CEZZ	J	Damper Holder	
2-10	MSPRC0210CEFW	J	Power Button Spring	
2-11	MSPRD0089CEFW	J	Spring	
2-12	PDMPF1007TAZZ	J	Damper	
2-13	XEBSD30P10000	J	Screw, x4	AA
2-14	XJBSD20P05000	J	Screw, x1	AA
3	CSLDM4688CE01	J	Shield Ass'y	
3-1	*Not Available*	–	Shield	—
3-2	LHLDW1021GE00	J	Holder	AB
3-3	PRDAR1567CEFW	J	Heat Sink	
3-4	PSPAH0720CEZZ	J	Spacer	
4	GCABB3079CESA	J	Top Cabinet	
5	CANGT9033CE01		PWB Angle Ass'y	
5-1	*Not Available*	–	PWB Angle	—
5-2	LHLDW1021GE00		Wire Holder, x1	
5-3	PSLDM0152CEZZ		Spacer	
5-4	PSPAH0721CEZZ		Spacer	
6	LHLDW1009CEZZ	J	Wire Holder, x3	AA
7	LHLDW1060CEZZ	J	Wire Holder	AB
8	LX-BZ3434CEFN	J	Screw, x2	AB
9	NSFTZ0134CEFW	J	Shaft, x6	AD
10	PSLDM4692CEFW	J	Shield	
11	QCNW-6074CEZZ	J	Connecting Cord (Front-PC I/F)	
12	QCNW-6078CEZZ	J	Connecting Cord (SR-PC I/F)	
13	QCNW-6080CEZZ	J	Connecting Cord (MAIN-PC I/F)	
14	QCNW-6081CEZZ	J	Connecting Cord (MAIN-AV)	
15	QCNW-6082CEZZ	J	Connecting Cord (MAIN-AV)	
16	QCNW-6083CEZZ	J	Connecting Cord (MAIN-PC I/F)	
17	QCNW-6084CEZZ	J	Connecting Cord (MAIN-PC I/F)	
18	QEARZ0056CEFW	J	Earth Spring, x6	
19	QEARZ0057CEFW	J	Earth Spring, x1	
20	TLABN0437CEZZ	J	Serial No. Label	
21	XBBSN30P06000	J	Screw, x7	AA
22	XBPSD30P06JS0	J	Screw, x30	AA
23	XBPSN30P06000	J	Screw, x4	AA
24	XBSSD30P06000	J	Screw, x1	AA
25	XEBSF30P08000	J	Screw, x4	AA
26	XJPSN30P08XS0	J	Screw, x8	AA
27	LANGK3000SENZ	J	AC Inlet Angle	
28	XBSSF30P06000	J	Screw, x2	
29	XBPBN40P06K00	J	Screw	
30	LX-BZ1001SENZ	J	Screw, x2	
31	PSPAZ0464CEKZ	J	Cooling Sheet	
32	PSPAZ0465CEKZ	J	Cooling Sheet	
33	PSLDM4715CEFW	J	RCA Shield	

SUPPLIED ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	CCNWG0005DE01	J	Cable Ass'y	
	RRMCGA026WJSA	J	Infrared Remote Control Unit	
⚠	QACCK0006TAZZ	J	AC Cord	
	GDAI-1129CEKA	J	AV Wireless Unit Installation Base	
	LHLDW0110CEZZ	J	Holder	
	LHLDZ0139CEZZ	J	Holder	
	QCNW-A198WJZZ	J	BS Connection Cable	
	SSAKA0170CEZZ	J	Polyethyrene Bag	
	TCADE1256CEZZ	J	Questionnaire Card	
	TiNS-7642CEZZ	J	Operation Manual	
	TiNS-7658CEZZ	J	Operation Manual	
	TGAN-1708CEZZ	J	Guarrantee Card	

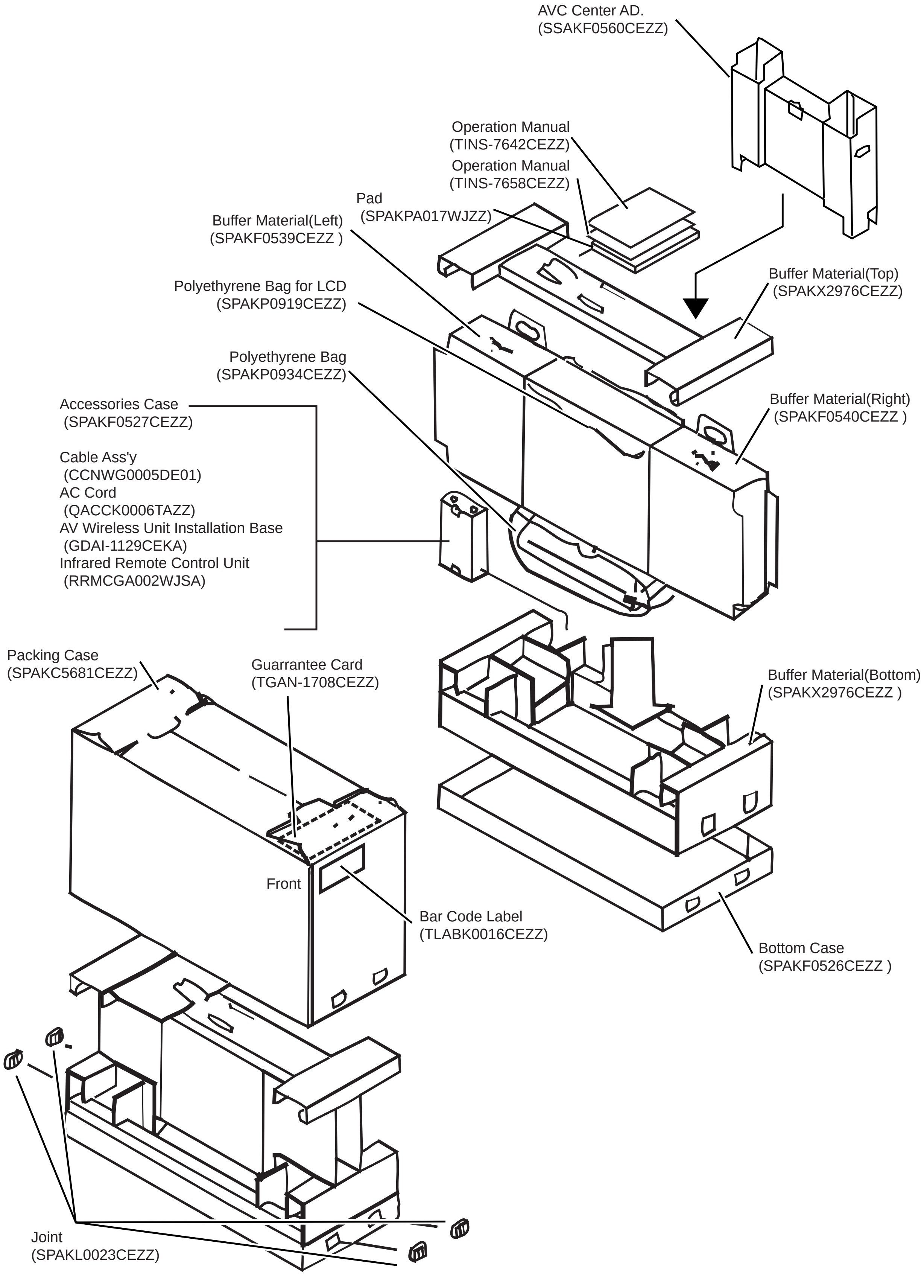
PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKC5681CEZZ	-	Packing Case	—
	SPAKF0539CEZZ	-	Buffer Material (L)	—
	SPAKF0540CEZZ	-	Buffer Material (R)	—
	SPAKX2976CEZZ	-	Buffer Material (Top/Bottom)	—
	SPAKF0526CEZZ	-	Bottom case	—
	SPAKF0527CEZZ	-	Accessories Box	—
	SPAKL0023CEZZ	-	Joint	—
	SPAKP0919CEZZ	-	Polyethyrene Bag for LCD	—
	SPAKP0934CEZZ	-	Polyethyrene Bag	—
	TLABK0016CEZZ	-	Bar Code Label	—
	SPAKSA001WJZZ	-	Pad	—
	SPAKAA018WJZZ	-	Polyethyrene Bag for AVC	—
	SSAKF0560CEZZ	-	AVC Center AD.	—
	SSAKF0660WJZZ	-	Pad	—

SERVICE JIGS
(Use for servicing)

Ref. No.	Part No.	★	Description	Code
	QCNW-6099CEZZ	J	Connector, 30-pin (PC I/F-MAIN)	
	QCNW-6100CEZZ	J	Connector, 50-pin (PC I/F-MAIN)	
	QCNW-6101CEZZ	J	Connector, 4-pin (SR-AV)	
	QCNW-6102CEZZ	J	Connector, 13-pin (PC I/F-FRONT)	
	QCNW-6103CEZZ	J	Connector, 12-pin (PC I/F-MAIN)	

PACKING OF THE SET


AVC Center AD.
(SSAKF0560CEZZ)
Operation Manual
(TINS-7642CEZZ)
Operation Manual
(TINS-7658CEZZ)
Pad
(SPAKPA017WJZZ)
Buffer Material(Left)
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Buffer Material(Top)
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Polyethyrene Bag for LCD
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Infrared Remote Control Unit
(RRMCGA002WJSA)
Packing Case
(SPAKC5681CEZZ)
Guarrantee Card
(TGAN-1708CEZZ)
Buffer Material(Bottom)
(SPAKX2976CEZZ)
Front
Bar Code Label
(TLABK0016CEZZ)
Bottom Case
(SPAKF0526CEZZ)
Joint
(SPAKL0023CEZZ)